



AGENDA

August 27, 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: July 23, 2019	2
III. Approval of Payments: August 2019	4
IV. Executive Session re: Legal Matters	
V. Authority Administration Reports	
A. Clean Water, Inc. Monthly Report	19
B. ARRO Consulting Monthly Report	21
C. Authority Administrator's Report	45
D. Public Works Department Report	46
VI. Open Session	
VII. Next Meeting Date: September 24, 2019 ~ 7:30 p.m.	
Location: Temporary Township Administration Office 415 Eagleview Boulevard, Suite 116, Exton 19341	
VIII. Adjournment	



MEETING MINUTES

July 23, 2019

7:30 PM

DRAFT

In Attendance: D. Carlson, Chairman (by telephone), H. Harper, Vice-Chairman, W. Quinn, 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 7:34 PM.

Approval of Minutes

Draft minutes of the May 28, 2019 meeting were presented. W. Quinn made a motion to approve the minutes as submitted. D. Carlson 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 June 2019 (remitted under the Authority protocol). W. Quinn seconded. It was so moved. W. Quinn made a motion to approve the payments for July 2019. After a brief discussion, D. Carlson 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. W. Quinn seconded the motion. It was so moved.

Executive Session re: legal matters

H. Harper called an Executive Session to discuss legal matters at 7:59 PM. The Session ended at 8:41 PM.

Authority Administration Reports

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

M. Brown presented Change Order No. 1 for Quinn Construction, Inc. regarding the Effluent Storage Tank Rehabilitation Project. It amounted in a net credit of \$8,210.00 due to lower quantities of material repairs. W. Quinn moved to approve the Change Order. D. Carlson seconded. It was so moved.

M. Brown noted discussions were underway with PADEP regarding issuing the planning approval for the Byers Road main extension project. He felt they found a way to compromise with the State regarding service.

W. Quinn moved, seconded by D. Carlson, to accept the reports of the Authority Administrator. It was so moved.

Open Session

No further public comment was made.

Next Meeting Date: August 27, 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, W. Quinn moved, seconded by H. Harper to adjourn the meeting at 8:49 PM.

Respectfully submitted,

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

August 23, 2019
10:26 AM

Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 1946 to 1978
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
1946	08/27/19	ALSGROUP ALS GROUP USA, CORP	1,294.70		2066
1947	08/27/19	AQUAP010 AQUA PA	3,531.33		2066
1948	08/27/19	ARROC010 ARRO CONSULTING, INC.	55,921.95		2066
1949	08/27/19	BLOOMGLE BLOOMING GLEN CONTRACTORS	142,230.83		2066
1950	08/27/19	BUCKLO10 BUCKLEY, BRION, MCGUIRE, MORRI	1,395.16		2066
1951	08/27/19	CHRISFRA FRANTZ, CHRISTOPHER	168.00		2066
1952	08/27/19	CINDYCAR CINDY CARNEY	252.51		2066
1953	08/27/19	CLEANWAT CLEAN WATER, INC.	6,780.00		2066
1954	08/27/19	DECKMO10 DECKMAN ELECTRIC, INC.	6,883.00		2066
1955	08/27/19	DJRCATTL DJR CATTLE COMPANY	3,551.89		2066
1956	08/27/19	EAGLHARD EAGLE HARDWARE	616.30		2066
1957	08/27/19	INKS0010 INK'S DISPOSAL SERVICE, INC.	420.00		2066
1958	08/27/19	JCEHRLIC J. C. EHRLICH CO., INC.	5,405.00		2066
1959	08/27/19	LARRYHEP LARRY HEPNER CPSS	3,743.47		2066
1960	08/27/19	LUDWIO60 LUDWIG'S CORNER SUPPLY CO.	544.31		2066
1961	08/27/19	MARSH020 MARSH CREEK SIGNS	784.00		2066
1962	08/27/19	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	497.17		2066
1963	08/27/19	MCI00001 MCI COMM SERVICE	70.81		2066
1964	08/27/19	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,256.50		2066
1965	08/27/19	MULLS010 MULL'S ELECTRIC, INC.	1,997.20		2066
1966	08/27/19	PADEP020 COMMONWEALTH OF PENNSYLVANIA	250.00		2066
1967	08/27/19	PECO0010 PECO	16,632.07		2066
1968	08/27/19	PENNS080 PENNSYLVANIA ONE CALL	198.91		2066
1969	08/27/19	PRED0010 PREDOC	5,995.00		2066
1970	08/27/19	QUINNCO QUINN CONSTRUCTION, INC	8,052.52		2066
1971	08/27/19	ROBINER ROBINDER, PAL	435.00		2066
1972	08/27/19	ROBZAWAD ROBERT ZAWADZKAS	75.00		2066
1973	08/27/19	SWEETWAT SWEETWATER NATURAL PRODUCTS LL	1,010.40		2066
1974	08/27/19	TOMMOYER TOM MOYER	175.00		2066
1975	08/27/19	UPPER070 UPPER UWCHLAN TOWNSHIP	65,295.59		2066
1976	08/27/19	USABL020 USA BLUE BOOK	1,817.72		2066
1977	08/27/19	VERIZFIO VERIZON	1,112.05		2066
1978	08/27/19	WGMALDEN W. G. MALDEN	31.00		2066

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	33	0	338,424.39	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	33	0	338,424.39	0.00

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: LHAINES Batch Type: C Batch Date: 08/27/19 Checking Account: MA MERIDIAN G/L Credit: Expenditure G/L Credit
Generate Direct Deposit: N

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
08/27/19 ALSGROUP ALS GROUP USA, CORP								
19-01192	08/27/19	1 greenridge	471.90	P.O. BOX 975444 06-420-000-030 Testing	Expenditure	Aprv	5	1
19-01192	08/27/19	2 lakeridge	450.90	06-420-000-030 Testing	Expenditure	Aprv	6	1
19-01192	08/27/19	3 saybrooke	274.60	06-420-000-030 Testing	Expenditure	Aprv	7	1
19-01192	08/27/19	4 saybrooke	97.30	06-420-000-030 Testing	Expenditure	Aprv	8	1
			1,294.70					
08/27/19 AQUAP010 AQUA PA								
19-01219	08/27/19	1 119 prescott dr	18.00	PO BOX 70279 06-409-000-037 Water	Expenditure	Aprv	108	1
19-01219	08/27/19	2 100 milford road	18.00	06-409-000-037 Water	Expenditure	Aprv	109	1
19-01219	08/27/19	3 100 prescott drive	18.00	06-409-000-037 Water	Expenditure	Aprv	110	1
19-01219	08/27/19	4 meadow creek lane	18.06	06-409-000-037 Water	Expenditure	Aprv	111	1
19-01219	08/27/19	5 308 flagstone road	18.00	06-409-000-037 Water	Expenditure	Aprv	112	1
19-01219	08/27/19	6 1 prospect hill blvd	54.02	06-409-000-037 Water	Expenditure	Aprv	113	1
19-01219	08/27/19	7 528 walter court	50.13	06-409-000-037 Water	Expenditure	Aprv	114	1
19-01219	08/27/19	8 325 fellowship road	3,097.94	06-409-000-037 Water	Expenditure	Aprv	115	1
19-01219	08/27/19	9 658 collingwood terr	62.45	06-409-000-037 Water	Expenditure	Aprv	116	1
19-01219	08/27/19	10 241 fellowship road	18.00	06-409-000-037 Water	Expenditure	Aprv	117	1
19-01219	08/27/19	11 29 yarmouth lane	21.57	06-409-000-037 Water	Expenditure	Aprv	118	1
19-01219	08/27/19	12 425 hemlock lane	65.16	06-409-000-037 Water	Expenditure	Aprv	119	1
19-01219	08/27/19	13 2680 primrose court	18.00	06-409-000-037 Water	Expenditure	Aprv	120	1
19-01219	08/27/19	14 381 lcr	18.00	06-409-000-037 Water	Expenditure	Aprv	121	1
19-01219	08/27/19	15 111 dorothy lane	18.00	06-409-000-037 Water	Expenditure	Aprv	122	1
19-01219	08/27/19	16 1120 sunderland ave	18.00	06-409-000-037 Water	Expenditure	Aprv	123	1
			3,531.33					
08/27/19 ARROC010 ARRO CONSULTING, INC.								
19-01220	08/27/19	1 project 9310.32 ww syst admin	360.00	108 WEST AIRPORT ROAD 06-400-000-002 Authority Administrator	Expenditure	Aprv	124	1

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 2

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
19-01220	08/27/19	2 project 9310.32 ww syst admin	12,459.15	06-400-000-002 Authority Administrator	Expenditure	Aprv	125	1
19-01220	08/27/19	3 project 17000 consulting	13,787.67	06-408-000-000 Engineering Fees	Expenditure	Aprv	126	1
19-01220	08/27/19	4 project 10270.53 holding tanks	9,828.13	06-408-000-000 Engineering Fees	Expenditure	Aprv	127	1
19-01220	08/27/19	5 project 10270.56 rt 100 map	306.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	128	1
19-01220	08/27/19	6 project 10270.57 storage tanks	3,129.25	06-408-000-000 Engineering Fees	Expenditure	Aprv	129	1
19-01220	08/27/19	7 project 10270.64 milford farms	12,853.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	130	1
19-01220	08/27/19	8 project 10270.65 act 537 grant	141.50	06-408-000-000 Engineering Fees	Expenditure	Aprv	131	1
19-01220	08/27/19	9 project 10270.68 act 537 plan	3,055.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	132	1
			55,921.95					
19-01193	08/27/19	BLOOMGLE BLOOMING GLEN CONTRACTORS 1 pay app #3	122,137.83	901 MINSI TRAIL 06-483-000-000 Capital Repair	Expenditure	Aprv	9	1
19-01193	08/27/19	2 pay app #4	20,093.00	06-483-000-000 Capital Repair	Expenditure	Aprv	10	1
			142,230.83					
19-01194	08/27/19	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI 1 sewer collections	1,395.16	118 W. MARKET STREET 06-404-000-000 Legal Fees	Expenditure	Aprv	11	1
			1,395.16					
19-01195	08/27/19	CHRISFRA FRANTZ, CHRISTOPHER 1 ma - july representation	168.00	PO BOX 557 06-404-000-000 Legal Fees	Expenditure	Aprv	12	1
			168.00					
19-01189	08/27/19	CINDYCAR CINDY CARNEY 1 sewer refund - overpayment	252.51	1035 TORREY PINES STREET NE 06-420-000-048 Misc expenses	Expenditure	Aprv	2	1
			252.51					
19-01196	08/27/19	CLEANWAT CLEAN WATER, INC. 1 wwtp monthly operations	6,780.00	170 DALLAS STREET 06-420-000-045 Contracted Services	Expenditure	Aprv	13	1
			6,780.00					
19-01198	08/27/19	DECKM010 DECKMAN ELECTRIC, INC. 1 heron hill - pump	2,995.00	49 W. FRONT STREET 06-420-000-020 Supplies	Expenditure	Aprv	16	1
19-01198	08/27/19	2 heron hill - pump	3,888.00	06-420-000-020 Supplies	Expenditure	Aprv	17	1
			6,883.00					

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 3

Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be Charge Account Description	Account Type	Status	Seq	Acct
08/27/19 DJRCATTL DJR CATTLE COMPANY								
19-01197	08/27/19	1 ewing tract	1,744.65	458 MOUNT PLEASANT ROAD 06-420-000-045 Contracted Services	Expenditure	Aprv	14	1
19-01197	08/27/19	2 ewing tract	1,807.24	06-420-000-045 Contracted Services	Expenditure	Aprv	15	1
			3,551.89					
08/27/19 EAGLHARD EAGLE HARDWARE								
19-01200	08/27/19	1 paint, rake, wasp spray	84.84	06-420-000-020 Supplies	Expenditure	Aprv	19	1
19-01200	08/27/19	2 valves, coupling	74.54	06-420-000-020 Supplies	Expenditure	Aprv	20	1
19-01200	08/27/19	3 weed spray	24.99	06-420-000-020 Supplies	Expenditure	Aprv	21	1
19-01200	08/27/19	4 insect spray, locknut, washer	19.55	06-420-000-020 Supplies	Expenditure	Aprv	22	1
19-01200	08/27/19	5 enamel, paint, coupler	64.62	06-420-000-020 Supplies	Expenditure	Aprv	23	1
19-01200	08/27/19	6 shackle padlock	179.88	06-420-000-020 Supplies	Expenditure	Aprv	24	1
19-01200	08/27/19	7 padlock	167.88	06-420-000-020 Supplies	Expenditure	Aprv	25	1
			616.30					
08/27/19 INKS0010 INK'S DISPOSAL SERVICE, INC.								
19-01202	08/27/19	1 eaglepointe pumped & cleaned	420.00	564 NORTH MANOR ROAD 06-420-000-025 Maintenance & Repair	Expenditure	Aprv	31	1
			420.00					
08/27/19 JCEHRLIC J. C. EHRLICH CO., INC.								
19-01201	08/27/19	1 dorian court	446.00	PO BOX 13848 06-420-000-032 Vegetation Management	Expenditure	Aprv	26	1
19-01201	08/27/19	2 prescott drive	605.00	06-420-000-032 Vegetation Management	Expenditure	Aprv	27	1
19-01201	08/27/19	3 fellowship road	2,347.00	06-420-000-032 Vegetation Management	Expenditure	Aprv	28	1
19-01201	08/27/19	4 sunderland ave	1,292.00	06-420-000-032 Vegetation Management	Expenditure	Aprv	29	1
19-01201	08/27/19	5 eagle farm road	715.00	06-420-000-032 Vegetation Management	Expenditure	Aprv	30	1
			5,405.00					
08/27/19 LARRYHEP LARRY HEPNER CPSS								
19-01204	08/27/19	1 nutrient analysis for wwtps	3,743.47	LARRY HEPNER, CPSS 06-420-000-032 Vegetation Management	Expenditure	Aprv	37	1
			3,743.47					
08/27/19 LUDWIO60 LUDWIG'S CORNER SUPPLY CO.								
19-01203	08/27/19	1 ma - lock, bee spray	84.47	1230 POTTSTOWN PIKE 06-420-000-020 Supplies	Expenditure	Aprv	32	1
19-01203	08/27/19	2 ma - pvc pipe, adapter	3.76	06-420-000-020 Supplies	Expenditure	Aprv	33	1

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 4

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
19-01203	08/27/19	3 ma - elbow, nipple	21.98	06-420-000-020 Supplies	Expenditure	Aprv	34	1
19-01203	08/27/19	4 ma - wheelbarrow, rake, wrench	287.96	06-420-000-020 Supplies	Expenditure	Aprv	35	1
19-01203	08/27/19	5 ma - tape, brush, nipples	146.14	06-420-000-020 Supplies	Expenditure	Aprv	36	1
			<u>544.31</u>					
08/27/19 MARSH020 MARSH CREEK SIGNS				P.O. BOX 371				
19-01206	08/27/19	1 wwtp signs	392.00	06-420-000-020 Supplies	Expenditure	Aprv	39	1
19-01206	08/27/19	2 wwtp signs	392.00	06-420-000-020 Supplies	Expenditure	Aprv	40	1
			<u>784.00</u>					
08/27/19 MCGOV020 MCGOVERN ENVIRONMENTAL, LLC				920 SOUTH BOLMAR STREET				
19-01209	08/27/19	1 credit - overpayment	242.89-	06-420-000-031 Pump & Haul	Expenditure	Aprv	54	1
19-01209	08/27/19	2 rt 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	55	1
19-01209	08/27/19	3 rt 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	56	1
19-01209	08/27/19	4 rt 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	57	1
19-01209	08/27/19	5 rt 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	58	1
19-01209	08/27/19	6 rt 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	59	1
19-01209	08/27/19	7 rt 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	60	1
19-01209	08/27/19	8 marsh harbor	274.28	06-420-000-031 Pump & Haul	Expenditure	Aprv	61	1
			<u>497.17</u>					
08/27/19 MCI00001 MCI COMM SERVICE				PO BOX 15043				
19-01205	08/27/19	1 ma - telephone	70.81	06-409-000-032 Telephone	Expenditure	Aprv	38	1
			<u>70.81</u>					
08/27/19 MJREIDER M. J. REIDER ASSOCIATES, INC.				107 ANGELICA STREET				
19-01208	08/27/19	1 saybrooke	77.00	06-420-000-030 Testing	Expenditure	Aprv	42	1
19-01208	08/27/19	2 st. andrews	150.50	06-420-000-030 Testing	Expenditure	Aprv	43	1
19-01208	08/27/19	3 greenridge	122.50	06-420-000-030 Testing	Expenditure	Aprv	44	1
19-01208	08/27/19	4 marsh harbor	136.50	06-420-000-030 Testing	Expenditure	Aprv	45	1
19-01208	08/27/19	5 lakeridge	122.50	06-420-000-030 Testing	Expenditure	Aprv	46	1
19-01208	08/27/19	6 st. andrews	119.00	06-420-000-030 Testing	Expenditure	Aprv	47	1

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 5

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
19-01208	08/27/19	7 saybrooke	77.00	06-420-000-030 Testing	Expenditure	Aprv	48	1
19-01208	08/27/19	8 eaglepointe	178.50	06-420-000-030 Testing	Expenditure	Aprv	49	1
19-01208	08/27/19	9 reserve,eagle hunt,byers,ewing	56.00	06-420-000-030 Testing	Expenditure	Aprv	50	1
19-01208	08/27/19	10 saybrooke	31.50	06-420-000-030 Testing	Expenditure	Aprv	51	1
19-01208	08/27/19	11 rt 100 wwtp	108.50	06-420-000-030 Testing	Expenditure	Aprv	52	1
19-01208	08/27/19	12 st. andrews	77.00	06-420-000-030 Testing	Expenditure	Aprv	53	1
			1,256.50					
08/27/19 MULLS010 MULL'S ELECTRIC, INC.				357 MAIN STREET				
19-01207	08/27/19	1 marsh harbor wwtp	1,997.20	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	41	1
			1,997.20					
08/27/19 PADEP020 COMMONWEALTH OF PENNSYLVANIA				RE: CHAPTER 92A ANNUAL FEE				
19-01199	08/27/19	1 permit pa0058378	250.00	06-420-000-035 Permits	Expenditure	Aprv	18	1
			250.00					
08/27/19 PECO0010 PECO				PO BOX 37629				
19-01211	08/27/19	1 304 fellowship road	141.30	06-409-000-036 Electric	Expenditure	Aprv	67	1
19-01211	08/27/19	2 2500 eagle farms road	542.53	06-409-000-036 Electric	Expenditure	Aprv	68	1
19-01211	08/27/19	3 seabury lane	31.05	06-409-000-036 Electric	Expenditure	Aprv	69	1
19-01211	08/27/19	4 primrose court	864.22	06-409-000-036 Electric	Expenditure	Aprv	70	1
19-01211	08/27/19	5 100 prescott drive	324.00	06-409-000-036 Electric	Expenditure	Aprv	71	1
19-01211	08/27/19	6 meadow creek lane	38.26	06-409-000-036 Electric	Expenditure	Aprv	72	1
19-01211	08/27/19	7 301 pottstown pike	495.22	06-409-000-036 Electric	Expenditure	Aprv	73	1
19-01211	08/27/19	8 kristines/milford	96.82	06-409-000-036 Electric	Expenditure	Aprv	74	1
19-01211	08/27/19	9 711 dorian road	303.14	06-409-000-036 Electric	Expenditure	Aprv	75	1
19-01211	08/27/19	10 111 dorothy lane	70.55	06-409-000-036 Electric	Expenditure	Aprv	76	1
19-01211	08/27/19	11 dorlan drive	1,447.25	06-409-000-036 Electric	Expenditure	Aprv	77	1
19-01211	08/27/19	12 381 lcr	169.76	06-409-000-036 Electric	Expenditure	Aprv	78	1
19-01211	08/27/19	13 milford road	27.99	06-409-000-036 Electric	Expenditure	Aprv	79	1
19-01211	08/27/19	14 st. andrews road	35.76	06-409-000-036	Expenditure	Aprv	80	1

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 6

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
19-01211	08/27/19	15 park road	1,505.50	Electric 06-409-000-036	Expenditure	Aprv	81	1
19-01211	08/27/19	16 55 pottstown pike	604.60	Electric 06-409-000-036	Expenditure	Aprv	82	1
19-01211	08/27/19	17 yarmouth lane	311.43	Electric 06-409-000-036	Expenditure	Aprv	83	1
19-01211	08/27/19	18 sunderland ave	1,969.08	Electric 06-409-000-036	Expenditure	Aprv	84	1
19-01211	08/27/19	19 kiloran wynd	172.49	Electric 06-409-000-036	Expenditure	Aprv	85	1
19-01211	08/27/19	20 flagstone road	631.28	Electric 06-409-000-036	Expenditure	Aprv	86	1
19-01211	08/27/19	21 yarmouth lane	36.94	Electric 06-409-000-036	Expenditure	Aprv	87	1
19-01211	08/27/19	22 140 pottstown pike	291.15	Electric 06-409-000-036	Expenditure	Aprv	88	1
19-01211	08/27/19	23 275 fellowship road	5,625.74	Electric 06-409-000-036	Expenditure	Aprv	89	1
19-01211	08/27/19	24 heron hill drive	123.97	Electric 06-409-000-036	Expenditure	Aprv	90	1
19-01211	08/27/19	25 indian springs drive	89.17	Electric 06-409-000-036	Expenditure	Aprv	91	1
19-01211	08/27/19	26 yarmouth lane	75.41	Electric 06-409-000-036	Expenditure	Aprv	92	1
19-01211	08/27/19	27 cassandra lane	71.63	Electric 06-409-000-036	Expenditure	Aprv	93	1
19-01211	08/27/19	28 fellowship road	535.83	Electric 06-409-000-036	Expenditure	Aprv	94	1
			16,632.07	Electric				
08/27/19 PENNS080 PENNSYLVANIA ONE CALL				P.O. BOX 640407				
19-01212	08/27/19	1 pa one call - monthly activity	198.91	06-420-000-329	Expenditure	Aprv	95	1
			198.91	PA One Call				
08/27/19 PREDO010 PREDOC				14 CHRISEVYN LANE				
19-01210	08/27/19	1 eaglepointe	540.00	06-420-000-025	Expenditure	Aprv	62	1
				Maintenance & Repair				
19-01210	08/27/19	2 heron hill ps	995.00	06-420-000-025	Expenditure	Aprv	63	1
				Maintenance & Repair				
19-01210	08/27/19	3 heron hill ps	630.00	06-420-000-025	Expenditure	Aprv	64	1
				Maintenance & Repair				
19-01210	08/27/19	4 lakeridge wwtp	3,020.00	06-420-000-025	Expenditure	Aprv	65	1
				Maintenance & Repair				
19-01210	08/27/19	5 lakeridge wwtp	810.00	06-420-000-025	Expenditure	Aprv	66	1
			5,995.00	Maintenance & Repair				
08/27/19 QUINNCO QUINN CONSTRUCTION, INC				1017 4TH AVENUE				
19-01213	08/27/19	1 storage tank rehab	8,052.52	06-483-000-000	Expenditure	Aprv	96	1
				Capital Repair				

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 7

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
			8,052.52					
19-01191	08/27/19	ROBINER ROBINDER, PAL 1 sewer refund - overpayment	435.00	309 PRESCOTT DRIVE 06-420-000-048 Misc expenses	Expenditure	Aprv	4	1
			435.00					
19-01190	08/27/19	ROBZAWAD ROBERT ZAWADZKAS 1 sewer refund - overpayment	75.00	1691 WATERGLEN DRIVE 06-420-000-048 Misc expenses	Expenditure	Aprv	3	1
			75.00					
19-01214	08/27/19	SWEETWAT SWEETWATER NATURAL PRODUCTS LL 1 weed barrier, river rock	375.40	976 POTTSTOWN PIKE 06-420-000-020 Supplies	Expenditure	Aprv	97	1
19-01214	08/27/19	2 river rock	430.50	06-420-000-020 Supplies	Expenditure	Aprv	98	1
19-01214	08/27/19	3 river rock	51.50	06-420-000-020 Supplies	Expenditure	Aprv	99	1
19-01214	08/27/19	4 clean fill	108.00	06-420-000-020 Supplies	Expenditure	Aprv	100	1
19-01214	08/27/19	5 clean fill	45.00	06-420-000-020 Supplies	Expenditure	Aprv	101	1
			1,010.40					
19-01188	08/27/19	TOMMOYER TOM MOYER 1 SEWER refund - overpayment	175.00	22 BRYAN WYND 06-420-000-048 Misc expenses	Expenditure	Aprv	1	1
			175.00					
19-01218	08/27/19	UPPER070 UPPER UWCHLAN TOWNSHIP 1 q2 admin fees due to uut	65,295.59	140 POTTSTOWN PIKE 06-400-000-001 Administration	Expenditure	Aprv	107	1
			65,295.59					
19-01216	08/27/19	USABLO20 USA BLUE BOOK 1 tablets	317.90	PO BOX 9004 06-420-000-022 Chemicals	Expenditure	Aprv	103	1
19-01216	08/27/19	2 aquashade - plant algae	820.49	06-420-000-022 Chemicals	Expenditure	Aprv	104	1
19-01216	08/27/19	3 aquashade - plant algae	679.33	06-420-000-022 Chemicals	Expenditure	Aprv	105	1
			1,817.72					
19-01215	08/27/19	VERIZFIO VERIZON 1 august telephone	1,112.05	PO BOX 15124 06-409-000-032 Telephone	Expenditure	Aprv	102	1
			1,112.05					
19-01217	08/27/19	WGMALDEN W. G. MALDEN 1 partlow pens	31.00	P.O. BOX 196 06-420-000-025 Maintenance & Repair	Expenditure	Aprv	106	1

August 23, 2019
10:24 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 8

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item	Description		Description					

31.00

	<u>Count</u>	<u>Line Items</u>	<u>Amount</u>
Checks:	33	132	338,424.39

There are NO errors or warnings in this listing.

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

13

ASSETS

<u>Cash</u>			
06-100-000-010	General Checking - Fulton Bank	\$	104,993.44
06-100-000-015	General Checking - Meridian Bank		145,416.02
06-100-000-020	General Checking - WIPP		534,280.72
06-106-000-002	Tap-in Fee Account		345,259.86
06-110-000-100	Fulton Bank Bond Proceeds - ICS		-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA		5,275,263.56
	Total Cash		6,405,213.60

<u>PSDLAF Investments:</u>			
06-109-000-003	CD Program		-
06-109-000-004	Full Flex		183.84
			183.84
	Total Investments		183.84

<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
	Total Accounts Receivable		280,819.23

<u>Other Current Assets</u>			
06-130-000-001	Due from MA Capital Fund		-
06-130-000-002	Due from UUT General Fund		-
06-130-000-003	Due from UUT Capital Fund		-
06-130-000-004	Due from Solid Waste Fund		2,609.08
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		-
	Total Other Current Assets		2,609.08

<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
	Total Fixed Assets		1,368,360.71

<u>Other Long Term Assets</u>			
06-162-000-002	Excess Treatment Capacity		1,649,293.24
	Total Other Long Term Assets		1,649,293.24

	Total Assets	\$	9,706,479.70
--	---------------------	-----------	---------------------

Upper Uwchlan Township Municipal Authority
Balance Sheet
As of July 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	87,416.09	
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	10,141.25	
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	55,561.95	
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	35,215.78	
	Total Current Liabilities	188,610.07	
		<u>Equity</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)	5,160,131.70	
	Total Equity	9,517,869.63	
	Total Fund Balance	9,517,869.63	
	Total Liabilities & Fund Balance	\$ 9,706,479.70	

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended July 31, 2019

15

	Actual 2019 YTD	Budget 2019	% of Budget	Actual 2018 <i>(Audited)</i>	Budget 2018
REVENUES					
06-340-000-000 Interest Income	84,690.23	15,000.00	564.6%	17,267.00	7,300.00
06-365-000-000 Usage Fees Residential	1,155,757.07	2,139,571.00	54.0%	2,140,967.00	2,027,640.00
06-365-000-001 Usage Fees Commercial	52,074.80	100,000.00	52.1%	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!	-	-
TOTAL REVENUES	\$ 6,523,953.17	\$ 10,191,792.00	64.0%	\$ 2,280,531.00	\$ 4,313,304.00

EXPENDITURES					
<u>General:</u>					
06-400-000-001 Administration	152,589.89	241,246.00	63.3%	211,283.00	234,219.00
06-400-000-002 Authority Adminstrator	75,600.65	120,000.00	63.0%	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	29.00	650.00	4.5%	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	5,210.51	20,800.00	25.1%	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	268,478.61	150,000.00	179.0%	127,632.00	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	519,283.78	571,691.00	90.8%	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	8,416.53	15,000.00	56.1%	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	144,222.20	250,000.00	57.7%	250,538.00	250,000.00
06-409-000-037 Water	8,136.65	25,000.00	32.5%	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!	-	-
	184,186.51	318,756.00	57.8%	287,030.00	329,797.00

<u>Operations:</u>					
06-420-000-020 Supplies	22,020.95	20,000.00	110.1%	19,287.00	20,000.00
06-420-000-022 Chemicals	3,050.48	15,000.00	20.3%	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	57,103.32	120,000.00	47.6%	98,619.00	120,000.00
06-420-000-030 Testing	21,568.79	40,000.00	53.9%	42,973.00	40,000.00
06-420-000-031 Pump & Haul	39,177.51	50,000.00	78.4%	50,600.00	50,000.00
06-420-000-032 Vegetation Management	-	20,000.00	0.0%	10,228.00	20,000.00
06-420-000-035 Permits	2,116.00	5,000.00	42.3%	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	100,216.23	135,000.00	74.2%	142,952.00	135,000.00
06-420-000-048 Misc expenses	30.39	10,000.00	0.3%	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	545.76	2,500.00	21.8%	1,541.00	2,500.00
	246,729.79	427,000.00	57.8%	418,377.00	420,025.00

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

16

For the Period Ended July 31, 2019
(Continued)

		Actual 2019 YTD	Budget 2019	% of Budget	Actual 2018 <i>(unaudited)</i>	Budget 2018
	<u>Capital:</u>					
06-472-000-100	Bond Interest Expense - 2019 bonds	116,483.16	190,681.00	61.1%	-	-
06-483-000-000	Capital Repair	205,207.48	50,000.00	410.4%	-	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>321,690.64</u>	<u>1,790,681.00</u>	<u>18.0%</u>	<u>87,514.00</u>	<u>66,000.00</u>
Total Expenditures before Operations Agreement and Transf		\$ 1,271,890.72	\$ 3,108,128.00	40.9%	\$ 1,298,079.00	\$ 1,381,028.00
Net Income before Operations Agreement and Transfers		\$ 5,252,062.45	\$ 7,083,664.00	74.1%	982,452.00	2,932,276.00
	<u>Other:</u>					
06-471-000-010	Operations Agreement Fee to UUT (2014 f	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	-	-	#DIV/0!	-	-
06-492-000-020	Transfer to Water Resource Protection Fu	-	-	#DIV/0!	-	-
06-492-000-030	Transfer to UUT Capital Fund	-	-	#DIV/0!	-	-
		<u>-</u>	<u>-</u>	<u>#DIV/0!</u>	<u>-</u>	<u>-</u>
TOTAL EXPENDITURES		\$ 1,363,821.47	\$ 3,477,341.00	39.2%	\$ 1,662,418.00	\$ 1,795,491.00
OPERATING INCOME		\$ 5,160,131.70	\$ 6,714,451.00	76.9%	\$ 618,113.00	\$ 2,517,813.00

Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Receivables and Collections

	July 2019	June 2019	Change
Beginning Receivable Balance	265,481.68	265,481.68	-
<u>Billings:</u>			
Calculated charges billed	1,661,304.18	1,109,893.95	(551,410.23)
Billing adjustments	9,620.15	(1,075.04)	(10,695.19)
Late payment penalty	53,776.50	53,776.50	-
Adjustments	(1,197.25)	-	1,197.25
	1,988,985.26	1,428,077.09	(560,908.17)
<u>Less:</u>			
Collections*	1,221,348.79	1,177,541.83	(43,806.96)
Receivable balance, month end	767,636.47	250,535.26	(517,101.21)

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

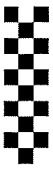
Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Delinquent Accounts
(accounts that have had a balance in excess of \$380 for 2 or more quarters)

	7/31/2018	12/31/2018	2/28/2019	3/31/2019	4/30/2019	5/31/2019	6/30/2019	7/31/2019
Number of delinquent accounts	311	148	166	133	110	176	151	131
Total delinquent balance	274,195	206,093	214,399	186,466	173,778	221,151	211,591	196,678

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



Clean Water, Inc.

170 Dallas St.
Box 475
Arlington, Pa. 19310

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

19

August 22, 2019

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

RE: Report for the August 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 June. Information items are current

Route 100

Spray and drip continues. Byers has been cut for the second time. PW weed eating nozzles and it should be harvested soon. In the next week or so, we will apply weed killer to this field. The UPS battery back up for the RT 100 SBR panel has been replaced by Mand S services. This was not a plug and play unit so as a precaution we backed up the operating files. The fields at Ewing West Vincent have been over seeded. Upland farms has been cut and harvested. I expect the additional fields will be cut in the same order as the first time. I just want to say that Tim of the PW dept has done a terrific job of weed eating at all fields as soon as they have been cut. Much appreciated.

Eaglepoint

Plant is running well. I continue to forward pictures of the various articles of clothing that are coming down the line to Arro. We also are getting large amounts of candy and snack wrappers.

St. Andrews Brae

Plant is running fine. There were no operational issues to report.

Marsh Harbour

Plant continues to run fine. This field will need cut soon. Ehrlich was out and sprayed lagoon sides for weeds and it looks terrific.

Clean Water, Inc. Wastewater Treatment Specialists

Saybrooke

Plant is running fine. There were no operational issues to report. McGovern removed sludge

20

Lakeridge

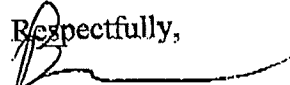
Plant is running well. The new sludge tank had to be removed for some casting issues. I am sure Arro has a more detailed summary of this for you. Predoc has completed the bed cleanings. We seem to have a bad shut off/isolation valve in one of the trenches. I think we may have to excavate and repair. I will get Predoc to do that. The large reserve field next to site is about to be cut as well. I replaced a bad float for the dosing pump station.

Greenridge

Drip has resumed. This field to will be cut soon for a second time.

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

21

MEMORANDUM

TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: August 21, 2019

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.

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.

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.

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.

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 Fetter's 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 sent 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.

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.

Nothing new to report.

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.

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.

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.

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.

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.

33

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 competed 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.

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.

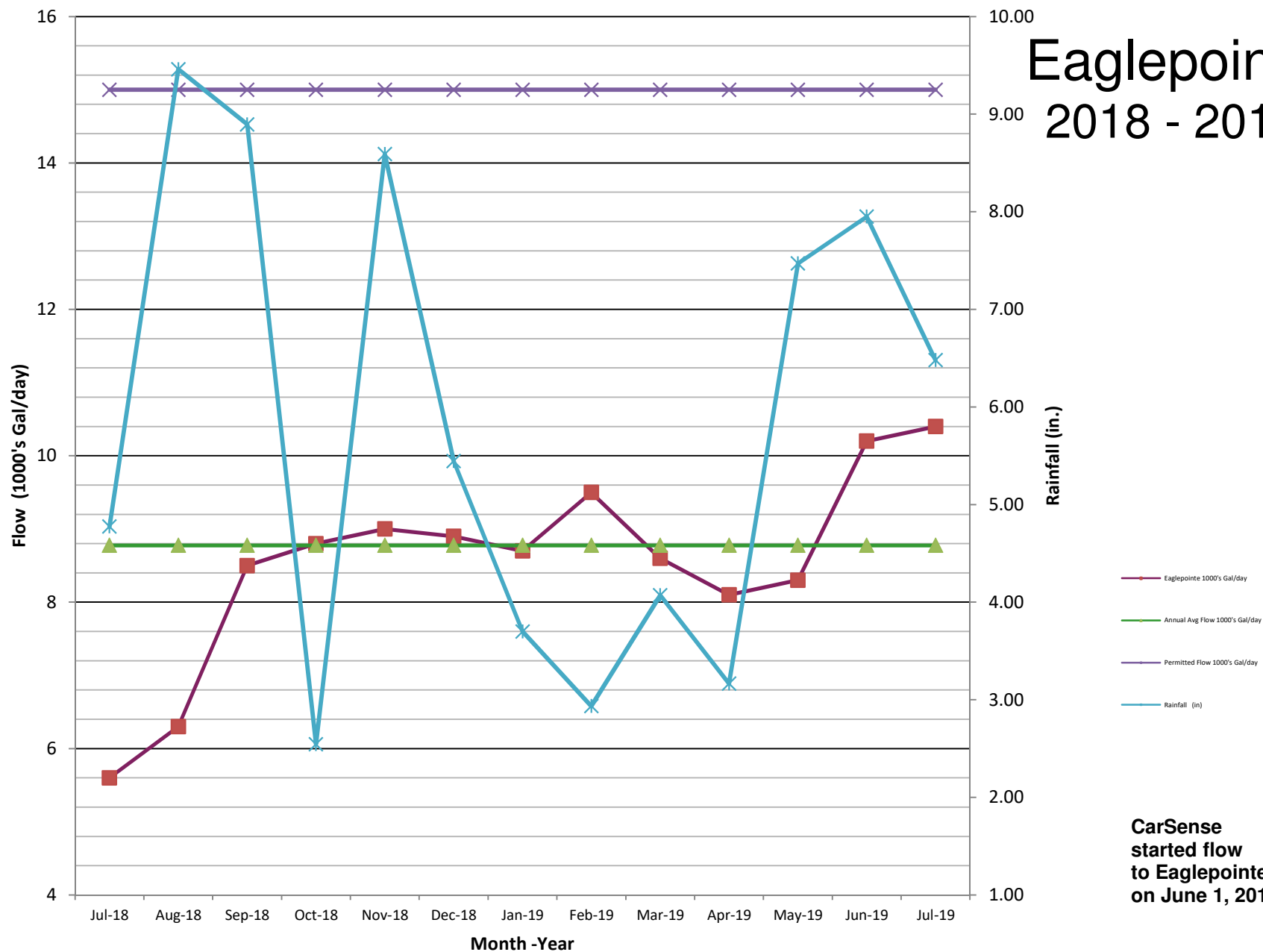
Nothing new to report.

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

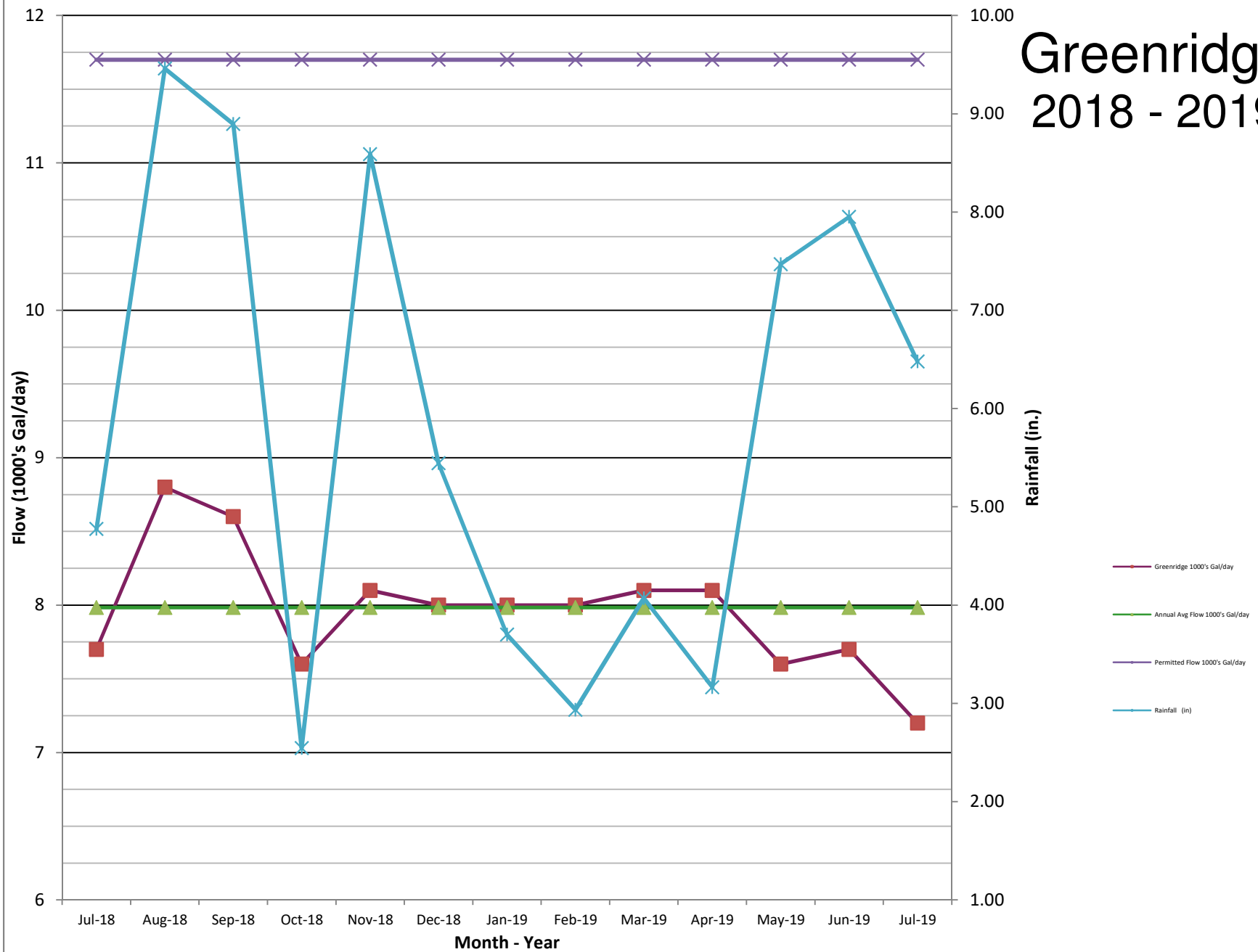
UPPER UWCHLAN MUNICIPAL AUTHORITY
WASTEWATER TREATMENT PLANTS
MONTHLY AVERAGE DAILY FLOWS

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Jul-18		0.00560	0.00770	0.02380	0.03590	0.30630	0.00790	0.00240	4.78
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
Annual Avg Flow =		0.00878	0.00798	0.02751	0.04253	0.35246	0.00782	0.00245	
Permitted Flow =		0.01500	0.01170	0.04000	0.07600	0.60000	0.00920	0.00360	

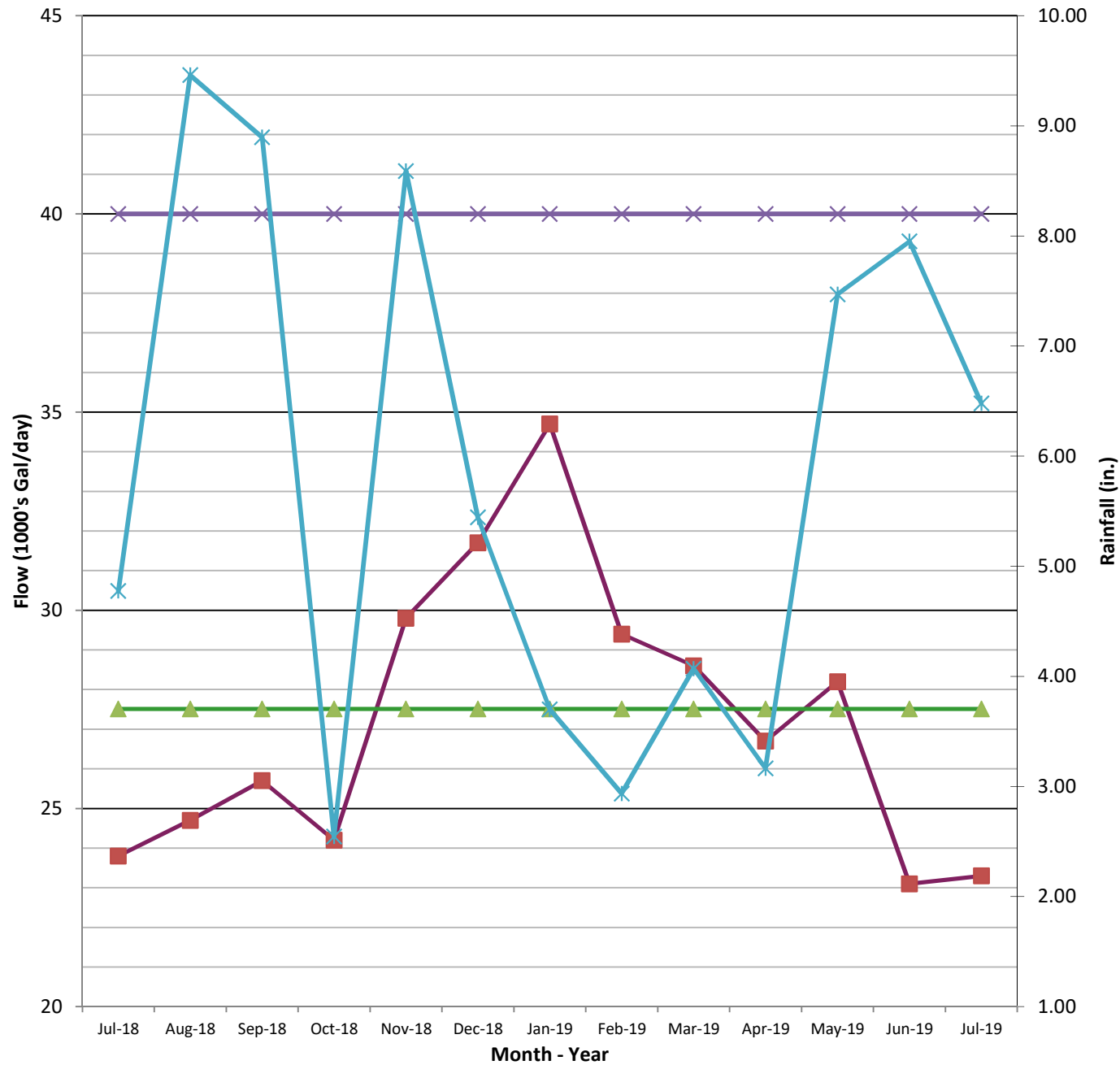
Eaglepointe 2018 - 2019



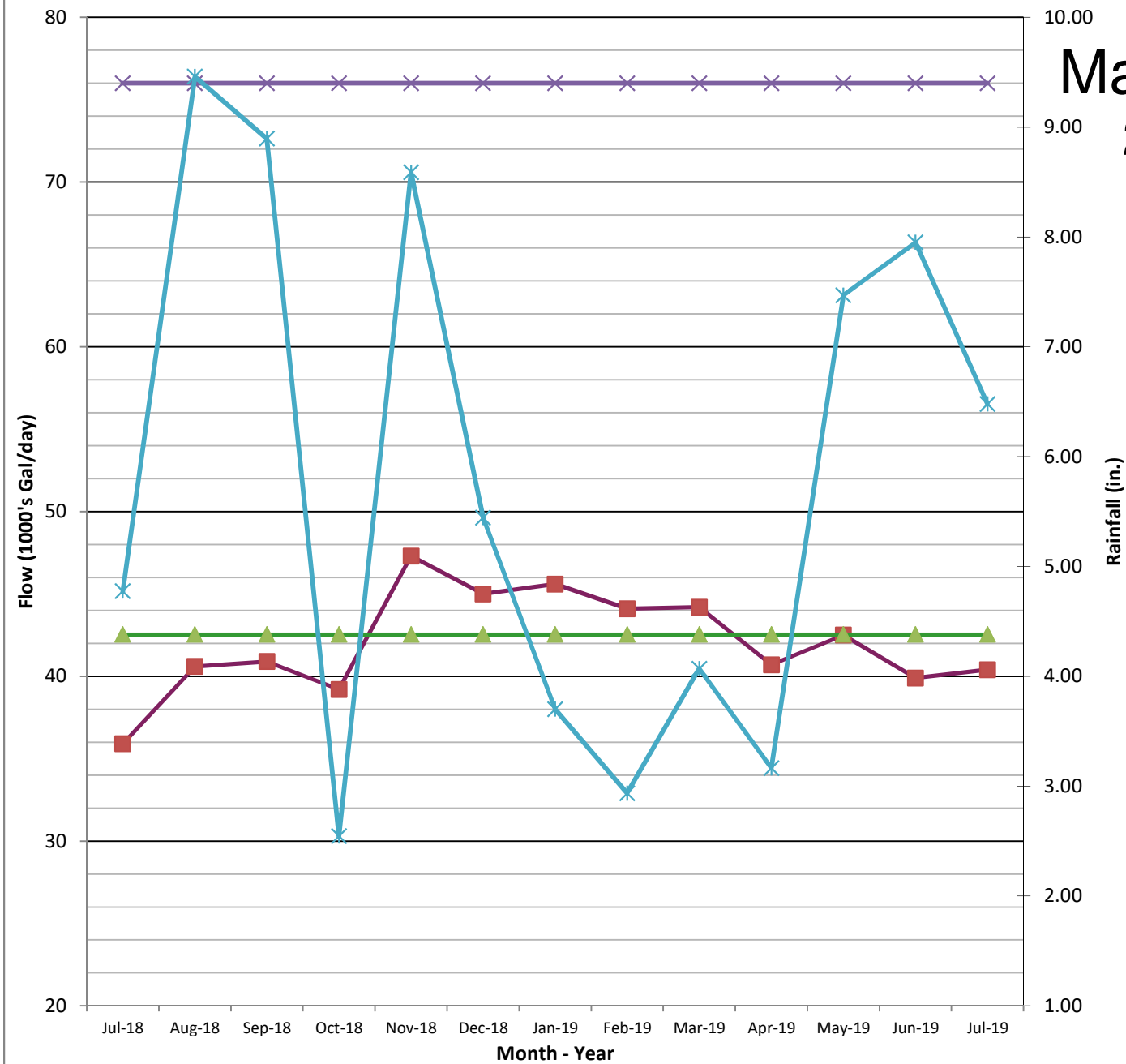
Greenridge 2018 - 2019



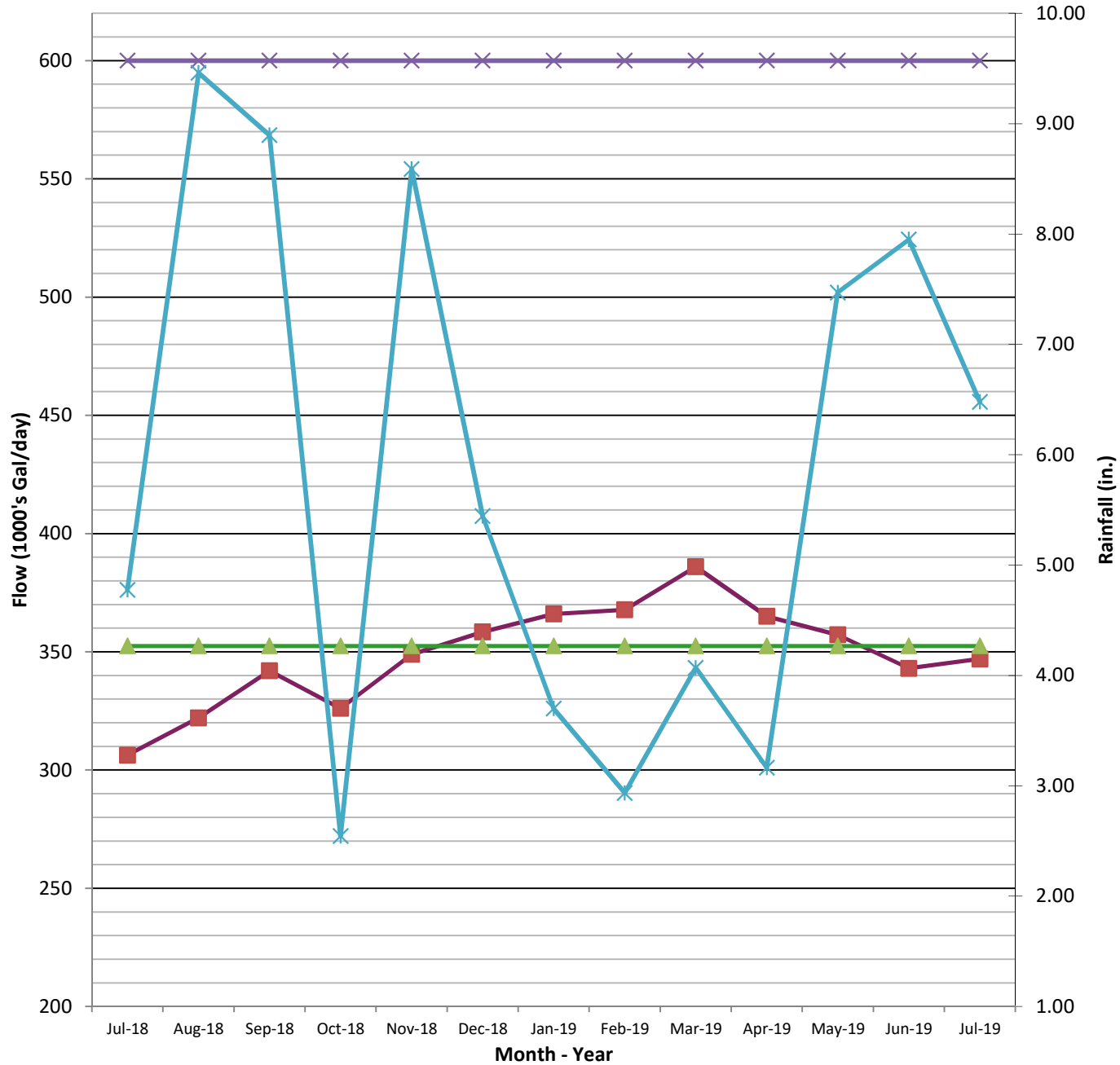
Lakeridge 2018 - 2019



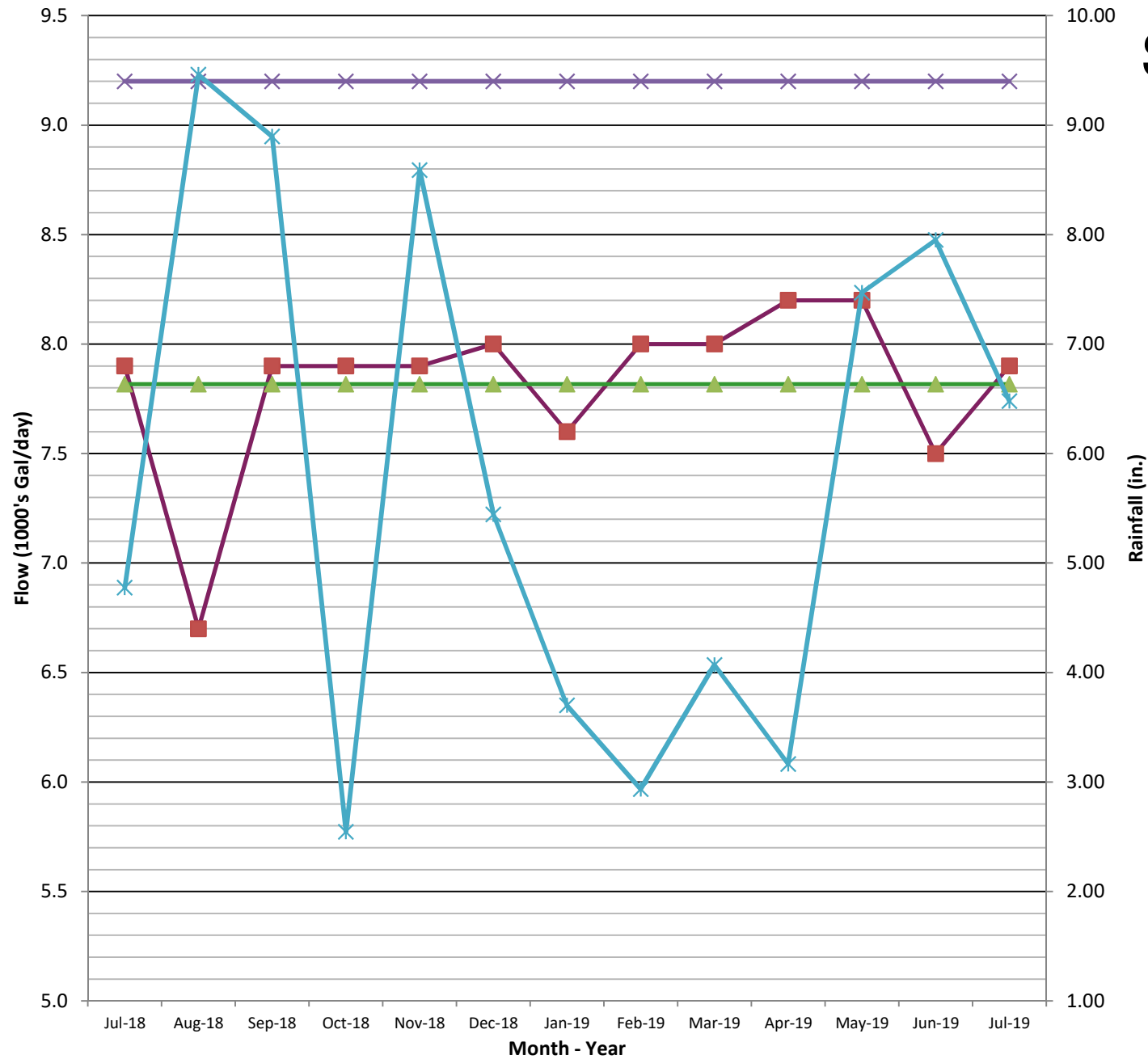
Marsh Harbour 2018 - 2019



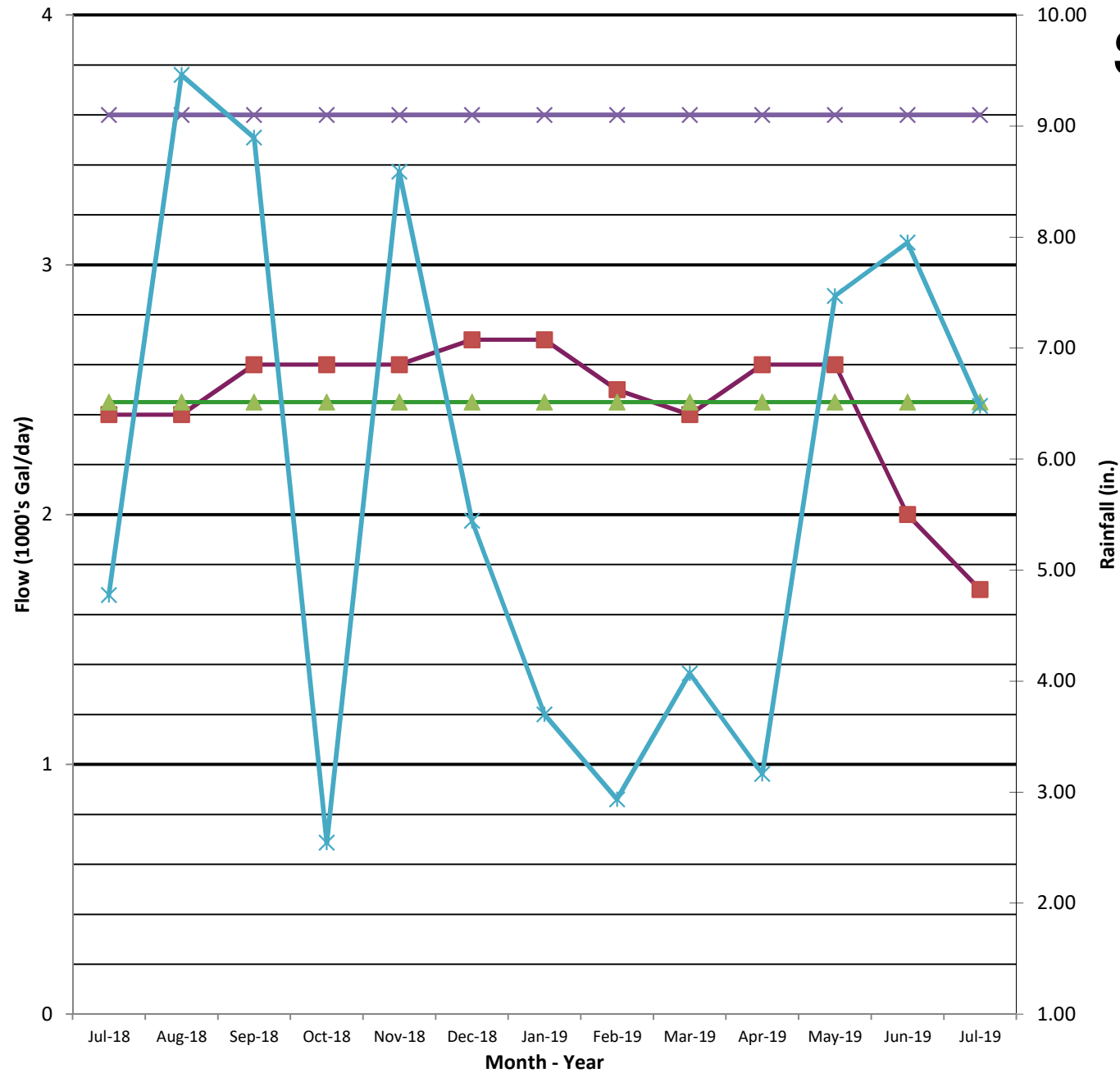
Route 100 2018 - 2019



Saybrooke 2018 - 2019



St. Andrews 2018 - 2019





To: Municipal Authority Members

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

Re: Authority Administrator's Report

Date: August 23, 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 sewer extensions proposed for Byers Road and Milford Farms.
- E. Communication with ARRO and Contractors regarding the Lakeridge Sludge Holding Tank and the Effluent Holding Tank Repair Projects.
- F. Preparation of the Engineers Certificate for the 2019 Bond refinancing.
- G. Communication with Bond counsel and underwriter regarding the 2019 Bond refinancing.
- H. Assistance with residents regarding disposal field weed control.
- I. Communication with McKee regarding the PADEP WQM Permit.
- J. Communication with finance staff regarding delinquent accounts, liens and sheriff sale.

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



**JULY 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 signs were placed at plants where the signs were deteriorating.
- 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

- **Saybrooke WWTP**
 - 1. General cleaning of station
 - 2. Broken water line to backflow preventer was repaired.
 - 3. Exterior upgrades have begun.
 - 4. All overgrown foliage was removed along with any weeds.
 - 5. 2B stone was added throughout the entire fenced area.
 - 6. Tank covers have been restored and placed back over the tanks.
 - 7. Gates have been adjusted.
 - 8. All spaces have been pressure washed.
- **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. 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.
- **Greenridge**
 - 1. General cleaning of station
- **Stonehedge**
 - 1. General cleaning of station
- **Marsh Harbour WWTP**
 - 1. General cleaning and trash removal

- **Marsh Harbour PS**
 - 1. There are no work orders for this station
- **Meadowcreek**
 - 1. There are currently work orders for this facility.
 - 2. The pipe through the berm is replaced; re-grading still needs done. 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.
- **Heron Hill PS**
 - 1. There are currently no work orders for this facility.
- **Lakeridge WWTP**
 - 1. General cleaning and trash removal
 - 2. Tank project 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 115 PA 1-Call tickets during the month of July.**

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

West Chester Office
1450 E. Boot Road
Bldg. 100, Suite 100-B
West Chester, PA 19380
O 484-999-6150

VIA EMAIL

July 31, 2019

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

RE: Effluent Storage Tanks Rehabilitation
General Construction Contract
Application for Payment No. 3
ARRO No. 10270.57

Dear Gentlemen:

Please find enclosed a copy of Effluent Storage Tanks Rehabilitation Application for Payment No. 3 in the amount of \$8,058.52 submitted by Quinn Construction, Inc. for work completed through July 31, 2019. Payment No. 3 also includes a deduct in project cost of \$8,210.00 related to changes in work quantities during the course of the tanks rehabilitation. The deduct in project cost is documented in the attached compensating Change Order No. 1 approved on July 23, 2019.

We recommend that the Authority approve payment to Quinn Construction, Inc. in the amount of \$8,058.52, which represents the value of the work completed, as final payment with no retainage in accordance with the terms of the Agreement.

If you have any questions, please feel free to contact me at glenn.holinka@arroconsulting.com or by telephone at 484.294.4351.

Sincerely,



Glenn N. Holinka, P.E.
Project Engineer

GNH
Enclosures

cc: Gwen Jonik, Township Secretary , Upper Uwchlan Township (w/ encl. via email)
Jill Bukata, Upper Uwchlan Township (w/ encl. via email)
Sandy Diffendal , Upper Uwchlan Township (w/ encl. via email)
Michael Moore, Quinn Construction, Inc. (w/ encl. via email)
G. Matthew Brown, P.E., DEE – ARRO (w/ encl. via email)
John A. Mott, P.E. – ARRO (w/ encl. via email)

APPLICATION AND CERTIFICATE FOR PAYMENT

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

FROM CONTRACTOR: Quinn Construction, Inc.
1017 4th Avenue / Suite 100 / Essington, PA 19029

PROJECT: Effluent Storage Tanks
Rehabilitation

VIA ARRO Consulting, Inc.

ENGINEER: 1450 E. Boot Road
Building 100, Suite 100-B
West Chester, PA 19380

AIA DOCUMENT G702

APPLICATION #: 3

PERIOD TO: 7/31/2019

ARRO #: 10270.57

INVOICE NUMBER

QUINN JOB NUMBER

☐ OWNER

☐ ARCHITECT

☐ CONTRACTOR

☐

☐

9365 F

19E9292

CONTRACT FOR: General Construction

CONTRACTORS APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the contract. continuation sheet,
AIA document G703 is attached

1. ORIGINAL CONTRACT SUM \$ 169,380.50

2. Net change by Change Orders (8,210.00)

3. CONTRACT SUM TO DATE (LINE 1 +/- 2)..... \$ 161,170.50

4. TOTAL COMPLETED & STORED TO DATE..... \$ 161,170.50
(Column M on G703)

5. RETAINAGE:

a. % of completed work 0% \$ -
(Columns H + J on G703)

b. % of Stored Material 0% \$ -
(Column K on G703)

TOTAL RETAINAGE (Line 5A + 5B) or \$ -
(Total in Column M of G703)

6. TOTAL EARNED LESS RETAINAGE \$ 161,170.50
(Line 4 less Line 5 total)

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT... \$ 153,111.98
(Line 6 from prior certificate)

8 CURRENT PAYMENT DUE \$ 8,058.52

9. BALANCE TO FINISH, INCLUDING RETAINAGE..... \$ -
(Line 3 less Line 6)

	Additions	Deductions
CHANGE ORDER SUMMARY		
Total changes approved in prior months by Owner		
Total approved this Month	\$ 2,409.00	\$ (10,619.00)
TOTALS	\$ 2,409.00	\$ (10,619.00)

The undersigned Contractor certifies that to the best of the Contractors knowledge,
information and belief the work covered by this Application for Payment has been
completed in accordance with the Contract Documents, that all amounts have been paid
by the Contractor for Work for which previous Certificates for Payment were issued and
payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

Quinn Construction, Inc.

By:

Michael Armento 7/24/2019
Michael Armento, Controller Date

State of: Pennsylvania

County of: Delaware

Subscribed and sworn to before
me this 24th

day of July, 2019

Notary Public *Patricia A. Garrison*
My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

PATRICIA A. GARRISON, Notary Public

Tinticum Township, Delaware County

My Commission Expires November 24, 2019

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the
data comprising this application, the Architect certifies to the Owner that to the best
of the Architect's knowledge, information and belief the Work has progressed as
indicated, the quality of Work is in accordance with the Contract
Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....

\$ 8,058.52

(Attach explanation if amount certified differs from the amount
applied for. Initial all figures on this Application and on the Continuation
Sheet that are changed to conform to the amount certified)

Engineer

By:

John N. Hahn

Date:

07/31/2019

This certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the
prejudice to any rights of Owners or Contractor under this Contract.

CONTINUATION SHEET

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification, is attached.
In tabulations below, amounts are stated to nearest dollar.
Use Column P on Contracts where variable retainage for line items may apply.

AIA DOCUMENT G703 INVOICE NUMBER
QUINN JOB NUMBER
APPLICATION #:
APPLICATION DATE:
PERIOD TO:
ARRO #:

9365 F
19E9292
3
7/31/2019
7/31/2019
10270.57

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
ITEM NO.	DESCRIPTION OF WORK	UNITS	UNIT PRICE	U OF MEAS	SCHEDULED VALUE	WORK COMPLETED							%	BALANCE TO FINISH
						UNITS INSTALLED PREVIOUS	VALUE OF WORK IN PLACE PREVIOUS	UNITS INSTALLED THIS PERIOD	VALUE OF WORK IN PLACE THIS PERIOD	MATERIAL PRESENTLY STORED	UNITS INSTALLED TO DATE	TOTAL COMPLETED AND STORED TO DATE		
	EAGLE HUNT													
1a.	1.01-Replace Failing Wall/Roof Joint Sealant	176	23.00	LF	4,048.00	176.00	4,048.00		0.00		176.00	4,048.00	100%	-
1b.	1.02-Grout @ Wall Panel Vertical Joints	4	342.00	EA	1,368.00	4.00	1,368.00		0.00		4.00	1,368.00	100%	-
1c.	1.03-Roof;Patch Lifting Lug Grout	9	70.00	EA	630.00	14.00	980.00		0.00		14.00	980.00	156%	(350.00)
1d.	1.04-Roof;Patch Jacking Pocket Grout	4	152.00	EA	608.00	4.00	608.00		0.00		4.00	608.00	100%	-
1e.	1.05-Roof;Rpr Corner Spall @ IrOr Jt	1	113.00	EA	113.00	1.00	113.00		0.00		1.00	113.00	100%	-
1f.	1.06-Roof;Rpr Panel Spall @ IrOr Jt	1	200.00	EA	200.00	3.00	600.00		0.00		3.00	600.00	300%	(400.00)
1h.	1.08-Roof;Replace Radial Jt Sealant	2158	8.50	LF	18,343.00	2,158.00	18,343.00		0.00		2,158.00	18,343.00	100%	-
1i.	1.09-Roof;Replace Grout (IrOr Joint)	76	66.00	LF	5,016.00	76.00	5,016.00		0.00		76.00	5,016.00	100%	-
1j.	1.10-Roof;Replace sealant (IrOr Joint)	76	22.00	LF	1,672.00	76.00	1,672.00		0.00		76.00	1,672.00	100%	-
	WINDSOR RIDGE													
2a.	1.01-Walls;Replace Wall to Roof Jt. Sealant	426	23.00	LF	9,798.00	426.00	9,798.00		0.00		426.00	9,798.00	100%	-
2c.	1.03-Roof;Patch Lifting Lug Grout	48	70.00	EA	3,360.00	55.00	3,850.00		0.00		55.00	3,850.00	115%	(490.00)
2d.	1.04-Roof;Patch Jacking Pocket Grout	6	152.00	EA	912.00	6.00	912.00		0.00		6.00	912.00	100%	-
2e.	1.05-Roof;Rpr Corner Spall @ IrOr Jt	41	113.00	EA	4,633.00	38.00	4,294.00		0.00		38.00	4,294.00	93%	339.00
2f.	1.06-Roof;Rpr Panel Spall @ IrOr Jt	6	200.00	EA	1,200.00	4.00	800.00		0.00		4.00	800.00	67%	400.00
2g.	1.07-Rpr Panel Spall @ Radial Joint	18	86.00	EA	1,548.00	20.00	1,720.00		0.00		20.00	1,720.00	111%	(172.00)
2h.	1.08-Roof;Replace Radial Jt Sealant	2,763	8.50	LF	23,485.50	2,763.00	23,485.50		0.00		2,763.00	23,485.50	100%	-
2i.	1.09-Roof;Replace Grout (IrOr Joint)	154	66.00	LF	10,164.00	154.00	10,164.00		0.00		154.00	10,164.00	100%	-
2j.	1.10-Roof;Replace sealant (IrOr Joint)	154	22.00	LF	3,388.00	154.00	3,388.00		0.00		154.00	3,388.00	100%	-
2l.	1.12-Roof;Patch Panel Rib Edge Spall	3	526.00	EA	1,578.00	3.00	1,578.00		0.00		3.00	1,578.00	100%	-
2m.	1.13-Wall;Repair Wall Panel Corner	1	1,739.00	EA	1,739.00	1.00	1,739.00		0.00		1.00	1,739.00	100%	-
2n.	1.14-Roof;Patch Roof Panel Hole Cavity	1	1,739.00	EA	1,739.00	1.00	1,739.00		0.00		1.00	1,739.00	100%	-

CONTINUATION SHEET

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification, is attached.

In tabulations below, amounts are stated to nearest dollar.

Use Column P on Contracts where variable retainage for line items may apply.

AIA DOCUMENT G703

INVOICE NUMBER

9365 F

QUINN JOB NUMBER

19E9292

APPLICATION #:

3

APPLICATION DATE:

7/31/2019

PERIOD TO:

7/31/2019

ARRO #:

10270.57

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
ITEM NO.	DESCRIPTION OF WORK	UNITS	UNIT PRICE	U OF MEAS	SCHEDULED VALUE	WORK COMPLETED							%	BALANCE TO FINISH
						UNITS INSTALLED PREVIOUS	VALUE OF WORK IN PLACE PREVIOUS	UNITS INSTALLED THIS PERIOD	VALUE OF WORK IN PLACE THIS PERIOD	MATERIAL PRESENTLY STORED	UNITS INSTALLED TO DATE	TOTAL COMPLETED AND STORED TO DATE		
	Upland Farms													
3b.	1.02-Grout @ Wall Panel Vertical Joints	23	342.00	EA	7,866.00	23.00	7,866.00		0.00		23.00	7,866.00	100%	-
3c.	1.03-Roof;Patch Lifting Lug Grout	7	70.00	EA	490.00	12.00	840.00		0.00		12.00	840.00	171%	(350.00)
3d.	1.04-Roof;Patch Jacking Pocket Grout	6	152.00	EA	912.00	6.00	912.00		0.00		6.00	912.00	100%	-
3e.	1.05-Roof;Rpr Corner Spall @ IrOr Jt	2	113.00	EA	226.00	5.00	565.00		0.00		5.00	565.00	250%	(339.00)
3g.	1.07-Rpr Panel Spall @ Radial Joint	17	86.00	EA	1,462.00	17.00	1,462.00		0.00		17.00	1,462.00	100%	-
3h.	1.08-Roof;Replace Radial Jt Sealant	2,428	8.50	LF	20,638.00	2,428.00	20,638.00		0.00		2,428.00	20,638.00	100%	-
3i.	1.09-Roof;Replace Grout (IrOr Joint)	147	66.00	LF	9,702.00	147.00	9,702.00		0.00		147.00	9,702.00	100%	-
3j.	1.10-Roof;Replace sealant (IrOr Joint)	147	22.00	LF	3,234.00	147.00	3,234.00		0.00		147.00	3,234.00	100%	-
3k.	1.11-Roof;Replace Roof/Wall Anchor Pocket	7	154.00	EA	1,078.00	9.00	1,386.00		0.00		9.00	1,386.00	129%	(308.00)
3l.	1.12-Roof;Patch Panel Rib Edge Spall	7	526.00	EA	3,682.00	7.00	3,682.00		0.00		7.00	3,682.00	100%	-
3m.	1.13-Wall;Repair Wall Panel Corner	1	1,739.00	EA	1,739.00	1.00	1,739.00		0.00		1.00	1,739.00	100%	-
4	Install Soil Erosion Control	1	8,048.00	LS	8,048.00	1.00	8,048.00		0.00		1.00	8,048.00	100%	-
5	Restore Seeded Areas	1	4,881.00	LS	4,881.00	1.00	4,881.00		0.00		1.00	4,881.00	100%	-
6	Wall (All Tanks);Inject Panel Cracks	130	76.00	LF	9,880.00		0.00		0.00		1.00	0.00	0%	9,880.00
7	CO# 1: Add'l quantities \$2,409.00 & Deduct for incomplete items \$-10,619.00	1	(8,210.00)	LS	(8,210.00)			1.00	(8,210.00)				100%	(8,210.00)
	TOTALS				\$ 161,170.50		\$ 161,170.50		\$ (8,210.00)	\$ -		\$ 161,170.50	100%	\$ -

CONTRACTORS FINAL RELEASE AND CERTIFICATE OF PAYMENT

53

With reference to Contractor's Final Application for Payment No. ³⁻ Final dated 7/31/2019 in the amount of \$ 8,058.52 under Contract dated 4/3/2019 between the undersigned Quinn Construction, Inc. ("Contractor" or "the Undersigned") and Upper Uwchlan Township Municipal Authority ("Owner") for Rehabilitation at Effluent Storage Tanks (the Project) located at Various Locations in Chester Springs, PA, the undersigned hereby certifies and represents that it has made full payment for, and that it has made full payment to all subcontractors and materialmen for all costs, charges and expenses incurred by it or on its behalf for work, labor, services, materials and equipment supplied to the foregoing premises and/or used in connection with the Work under said Contract.

The Undersigned further certifies that to the best knowledge and belief, each of its subcontractors and materialmen has made full payment of all costs, charges and expenses incurred by them or on their behalf for work, labor, services, materials and equipment supplied to the foregoing premises and/or used by them in connection with Undersigned's work under said Contract.

In consideration of, and conditioned upon receipt of payment to Contractor the sum of

\$ 8,058.52 representing final payment and reflected on Contractor Application for Payment

³⁻
No. Final, the Undersigned hereby unconditionally releases and forever discharges the Owner of the premises and property from all claims, liens and obligations of every nature arising out of or in connection with the performance of the said Contract and all amendments thereto on account of materials and/or labor furnished.

Executed this 24th day of July, 2019.

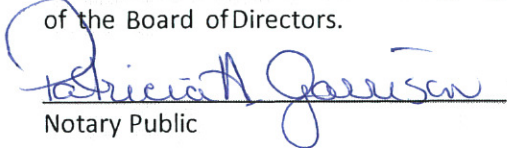
Quinn Construction, Inc.

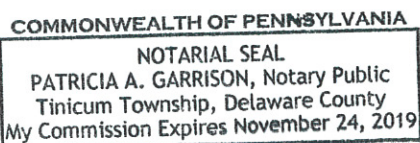

Michael Armento, Controller

State of Pennsylvania

County of Delaware

On the 24th day of July, 2019, before me personally came Michael Armento to me known who being by me duly sworn that he is the Controller of Quinn Construction, Inc. the corporation that executed the forgoing instrument and that he signs his name thereto by like order of the Board of Directors.


Notary Public



ARRO Consulting, Inc. 1450 E. Boot Road Building 100, Suite 100-B West Chester, PA 19380		Change Order No. 1		Contract No. Original Contract Date: April 24, 2019 Base Contract Price: \$169,380.50 Engineer's Job No.: 10270.58 Owner's Job No.: N.A.			
Owner Name: Upper Uwchlan Township Address: 140 Pottstown Pike Chester Springs, PA 19425		Contract For Effluent Storage Tanks Rehabilitation					
Contractor Name: Quinn Construction, Inc. Address: 1017 4th Avenue, Suite 100 Essington, PA 19029							
8th day of July, 2019 It is hereby agreed this XXXXXXXXXXXX , subject to the provisions of the contract and specifications to make the following changes.							
CO Item No.	Bid Item No.	Description	Unit	Qty.	Unit Price	Addition	Deduction
1	1c	EH.1.03, Roof; Clean and patch damaged lifting lug grout	EA	5	\$70.00	\$350.00	
2	1f	EH.1.06, Roof; Repair panel spall at iron joint	EA	2	\$200.00	\$400.00	
3	2c	WR.1.03, Roof; Clean and patch damaged lifting lug grout	EA	7	\$70.00	\$490.00	
4	2e	WR.1.05, Roof; Repair panel corner spall at iron joint	EA	3	\$113.00	\$339.00	\$339.00
5	2f	WR.1.06, Roof; Repair panel spall at iron joint	EA	2	\$200.00	\$400.00	\$400.00
6	2g	WR.1.07, Roof; Repair panel spall at radial joint	EA	2	\$86.00	\$172.00	
7	3c	UF.1.03, Roof; Clean and patch damaged lifting lug grout	EA	5	\$70.00	\$350.00	
8	3e	UF.1.05, Roof; Repair panel corner spall at iron joint	EA	3	\$113.00	\$339.00	
9	3k	UF.1.11, Roof; Remove and replace damaged roof to wall anchor pocket sealant	EA	2	\$154.00	\$308.00	
10	6	Wall (all tanks); Inject wall panel cracks with chemical grout	LF	130	\$76.00		\$9,880.00
Totals						\$2,409.00	\$10,619.00
Net Addition or Deduction this Change Order							(\$8,210.00)
Base Contract Price							\$169,380.50
Total Net Addition or Deduction by Previous Change Order(s)							\$0.00
Total Amount of Contract Prior to this Change Order							\$169,380.50
Net Addition or Deduction this Change Order No. 1							(\$8,210.00)
Net Amount of Contract to Date							\$161,170.50
There will be an extension of <u>0</u> calendar days for completion. The date for substantial completion of this contract was October 21, 2019 and will be October 21, 2019.							
Prepared By <i>Glenn N. Hollinka</i> 07/11/2019 Glenn N. Hollinka, P.E., ARRO Consulting, Inc. Date				Approved By Contractor <i>Michael Armitage</i> Date 7/8/19 Approved By Owner <i>J.H. [Signature]</i> Date 7/23/19			

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

VIA EMAIL

August 14, 2019

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

RE: Lakeridge Wastewater Treatment Facilities Sludge Holding Tank Replacement
Contract LSHT – A – General Construction Contract
Execution Request; Change Order No. 3
ARRO No. 10270.53

Dear Gentlemen:

On behalf of Blooming Glen Contractors, Inc., the general contractor for the above referenced project, ARRO Consulting, Inc. is submitting the attached Change Order No. 3 for your review and execution. This change order is a request for a twenty eight (28) day contract extension which is required to manufacture and install a replacement riser section for the installed precast concrete tank as a result of a non-conforming tank section (improper installation of pipe sleeves by the precast manufacturer). There is no project cost differential associated with Change Order No. 3.

If you have any questions, please feel free to contact me at glenn.holinka@arroconsulting.com or by telephone at 484.294.4351.


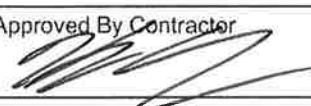
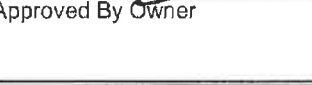
Sincerely,



Glenn N. Holinka, P.E.
Project Engineer

GNH
Enclosures

cc: Gwen Jonik, Township Secretary, Upper Uwchlan Township (w/ encl. via email)
G. Matthew Brown, P.E., DEE – ARRO (w/ encl. via email)
Michael Moore, Quinn Construction, Inc. (w/ encl. via email)
John A. Mott, P.E. – ARRO (w/ encl. via email)
Jay R. Jackson, P.E. – ARRO (w/ encl. via email)

ARRO Consulting, Inc. 350 West Main Street, Suite 200 Trappe, PA 19426		Change Order No. 3			Contract No. LSHT - A Original Contract Date: November 15, 2018 Base Contract Price: \$520,500.00 Engineer's Job No.: 10270.53 Owner's Job No.: N.A.	
		Addition Deduction				
Owner Name: Upper Uwchlan Municipal Authority Address: 140 Pottstown Pike Chester Springs, PA 19425				Contract For Lakeridge Wastewater Treatment Facilities Sludge Tank Replacement		
Contractor Name: Blooming Glen Contractors, Inc. Address: P.O. Box 55 Skippack, PA 19474						
It is hereby agreed this 21st day of August 2019, subject to the provisions of the contract and specifications to make the following changes:						
CO Item No.	Description	Unit	Qty.	Unit Price	Addition	Deduction
1	Extend the time for Substantial Completion by 28 days to October 11, 2019 and the time for Final Completion to November 10, 2019. The time extension is required to manufacture and install a replacement riser section for the installed precast concrete tank due to improper installation of pipe sleeves by the precast manufacturer. (See attached correspondence dated August 9, 2019).	N.A.	1.00	\$0.00	\$0.00	\$0.00
Totals					\$ -	\$0.00
Net Addition or Deduction this Change Order						\$0.00
Base Contract Price						\$520,500.00
Total Net Addition or Deduction by Previous Change Order(s)						(\$1,491.68)
Total Amount of Contract Prior to this Change Order						\$519,008.32
Net Addition or Deduction this Change Order No. 2						\$0.00
Net Amount of Contract to Date						\$519,008.32
There will be an extension of time of 28 calendar days for completion. The date for substantial completion of this contract is extended to October 11, 2019 and the date for final completion is extended to November 10, 2019.						
Prepared By  ARRO Consulting, Inc.		Date 8.12.2019		Approved By Contractor  Approved By Owner 		Date 8-13-2019

57



Page 1 of 1

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

VIA EMAIL

August 14, 2019

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

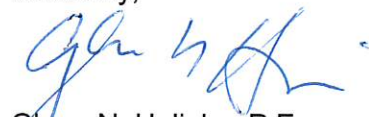
RE: Lakeridge Wastewater Treatment Facilities Sludge Holding Tank Replacement
Contract LSHT – B – Electrical Construction Contract
Execution Request; Change Order No. 4
ARRO No. 10270.53

Dear Gentlemen:

On behalf of Eastern Environmental Contractors, Inc., the general contractor for the above referenced project, ARRO Consulting, Inc. is submitting the attached Change Order No. 4 for your review and execution. This change order is a request for a twenty eight (28) day contract extension which is required to manufacture and install a replacement riser section for the installed precast concrete tank as a result of a non-conforming tank section (improper installation of pipe sleeves by the precast manufacturer). The contract extension has been initially requested by the general contractor Blooming Glen Contractors, Inc. (See Change Order No.3 for Blooming Glen Contractors, Inc. submitted under separate cover dated August 12, 2019). There is no project cost differential associated with Change Order No. 4.

If you have any questions, please feel free to contact me at glenn.holinka@arroconsulting.com or by telephone at 484.294.4351.

Sincerely,



Glenn N. Holinka, P.E.
Project Engineer

GNH

Enclosures

cc: Gwen Jonik, Township Secretary, Upper Uwchlan Township (w/ encl. via email)
G. Matthew Brown, P.E., DEE – ARRO (w/ encl. via email)
Michael Moore, Quinn Construction, Inc. (w/ encl. via email)
John A. Mott, P.E. – ARRO (w/ encl. via email)
Jay R. Jackson, P.E. – ARRO (w/ encl. via email)

69



Page 1 of 1

VIA ELECTRONIC MAIL

August 20, 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 – A – General Construction – Blooming Glen Contractors, Inc.
Payment Application Nos. 3 and 4
ARRO No. 10270.53

Dear Gentlemen:

Please find enclosed a copy of Lakeside Sludge Tank Replacement for Payment Application No. 3 and Payment Application No. 4. Both applications are being submitted concurrently as a result of Blooming Glen missing the submission date for July's Authority meeting.

Payment Application No. 3 is in the amount of \$122,137.83 for work completed through July 22, 2019. This application includes partial payments for the setting of the precast sludge holding tank structure, associated shoring and excavation activities, and unit heaters.

Payment Application No. 4 is in the amount of \$20,093.00 for work completed through August 15, 2019. This application includes partial payments work associated with the blower and yard piping.

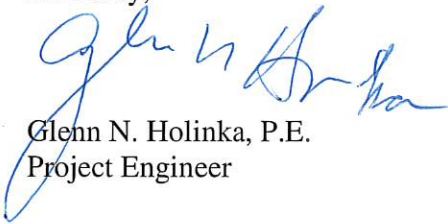
We recommend that the Authority approve payment to Blooming Glen Contractors, Inc. in the combined amount of \$142,230.83 (\$122,137.83 plus \$20,093.00), which represents the value of the work completed less ten percent (10%) retainage and less previous payments.

Upper Uwchlan Township Municipal Authority
Lakeridge – Contract LSHT – A – General Construction
August 20, 2019
Page 2

29

If you have any questions, please feel free to contact me at 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. 3

TO (OWNER): Upper Uwchlan Township PROJECT NO.: LHST-A PERIOD TO: 07/22/19 8

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

CONTRACT FOR: Site Work-Lakeridge Sludge Holding Tank

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		
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)	\$ \$160,676.60
5. RETAINAGE: 10% of Completed Work	\$ \$16,067.66
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5)	\$ \$144,608.94
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Application)	\$ \$22,471.11
8. CURRENT AMOUNT DUE	\$ \$122,137.83
9. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$ \$374,399.38

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.

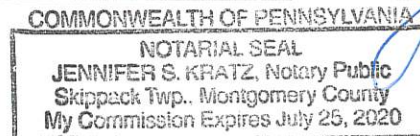
Dated 08/07/19 2019

Blooming Glen Contractors, Inc.-Water & Wastewater Services Division

By Carly Henry CONTRACTOR
(Authorized Signature)

Carly Henry, President/Asst. Sect.

Jennifer S. Kratz



Payment of the above CURRENT AMOUNT DUE is recommended.

Dated August 20, 2019

By ARRO CONSULTING, INC.

By ENGINEER
(Authorized Signature)

APPLICATION FOR PAYMENT NO. 3

CONTRACT FOR: Site Work-Lakeridge Sludge Holding Tank

PERIOD TO: 07/22/19

Project # LHST-A

PAGE 2 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	Bonds & Insurance	LS	\$11,895.00	1	\$11,895.00	1	\$11,895.00		
2	Mobilization	LS	\$2,900.00	1	\$2,900.00	0.471	\$1,365.00	0.2	\$580.00
3	Demobilization	LS	\$1,555.00	1	\$1,555.00				
4	As-Built & 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
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
9	Pour in Place Vault Concrete	LS	\$7,851.00	1	\$7,851.00				
10	F&I Hatches	LS	\$11,107.00	1	\$11,107.00			0.5	\$5,553.50
11	Mechanical Work, Sludge Tank	LS	\$120,524.00	1	\$120,524.00				
12	Mechanical Work, Odor Control	LS	\$35,671.00	1	\$35,671.00				
13	Replace Blower	LS	\$13,879.00	1	\$13,879.00	0.1	\$1,387.90		
14	Replace Unit Heaters	LS	\$12,900.00	1	\$12,900.00	0.8	\$10,320.00	0.2	\$2,580.00
15	Demolition of Sludge Pit	LS	\$23,518.00	1	\$23,518.00				
16	Yard Piping to New Vault	LS	\$17,569.00	1	\$17,569.00				
17	Yard Piping Connections	LS	\$14,813.00	1	\$14,813.00				
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				
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		\$24,967.90		\$135,708.70
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				

APPLICATION FOR PAYMENT NO. 4

TO (OWNER): Upper Uwchlan Township PROJECT NO.: LHST-A PERIOD TO: 08/15/19

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

CONTRACT FOR: Site Work-Lakeridge Sludge Holding Tank

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		
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)	\$ 183,002.15
5. RETAINAGE: 10 % of Completed Work	\$ 18,300.22
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5)	\$ 164,701.94
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Application)	\$ 144,608.94
8. CURRENT AMOUNT DUE	\$ 20,093.00
9. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$ 354,306.39

CONTRACTOR'S CERTIFICATION:

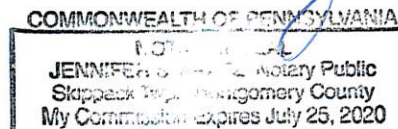
The undersigned Contractor certifies that (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied to discharge in full all obligations of Contractor incurred in connection with Work covered by prior Applications for Payment numbered 1 through _ 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 08/16/19 2019

Blooming Glen Contractors, Inc.-Water & Wastewater Services Division

By Carly Henry
(Authorized Signature)

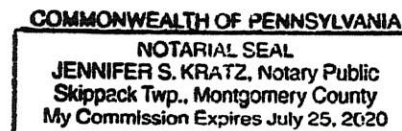
Carly Henry, President/Asst. Sect.

Jennifer S. Kratz

Payment of the above CURRENT AMOUNT DUE is recommended.

Dated August 20, 20 19By glen h. h. h. ARRO CONSULTING, INC.
ENGINEER

(Authorized Signature)



I:\Jobspecs\Farms\PmtAppLS.XLS (LS)

APPLICATION FOR PAYMENT NO. 4

CONTRACT FOR: Site Work-Lakeridge Sludge Holding Tank

PERIOD TO: 08/15/19

Project # LHST-A

PAGE 2 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	Bonds & Insurance	LS	\$11,895.00	1	\$11,895.00	1	\$11,895.00		
2	Mobilization	LS	\$2,900.00	1	\$2,900.00	0.67	\$1,945.00	0.329	\$954.10
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		
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		
9	Pour in Place Vault Concrete	LS	\$7,851.00	1	\$7,851.00				
10	F&I Hatches	LS	\$11,107.00	1	\$11,107.00	0.5	\$5,553.50	0.3	\$3,332.10
11	Mechanical Work, Sludge Tank	LS	\$120,524.00	1	\$120,524.00				
12	Mechanical Work, Odor Control	LS	\$35,671.00	1	\$35,671.00				
13	Replace Blower	LS	\$13,879.00	1	\$13,879.00	0.1	\$1,387.90	0.4	\$5,551.60
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				
16	Yard Piping to New Vault	LS	\$17,569.00	1	\$17,569.00			0.5	\$8,784.50
17	Yard Piping Connections	LS	\$14,813.00	1	\$14,813.00			0.25	\$3,703.25
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				
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		\$160,676.60		\$22,325.55
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				