



## AGENDA

February 25, 2020

7:30 p.m.

Page #

I.	Call to Order	
II.	Approval of Minutes: January 28, 2020	2
III.	Approval of Payments: February 2020	4
IV.	Authority Administration Reports	
	A. Clean Water, Inc. Monthly Report	17
	B. ARRO Consulting Monthly Report	19
	C. Authority Administrator's Report	42
	D. Public Works Department Report	43
V.	Open Session	
VI.	Next Meeting Date: March 24, 2020 ~ 7:30 p.m. Location: Will be announced on the website	
VII.	Adjournment	



## MEETING MINUTES

January 28, 2020

7:30 PM

**DRAFT**

In Attendance: D. Carlson, Chairman (via telephone), H. Harper, Vice-Chairman, B. Watts, Member, 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

In that D. Carlson, Chairman, was participating by telephone, H. Harper, Vice-Chairman, called the meeting to order at 7:30 PM.

### 2020 Reorganization

H. Harper requested that M. Brown conduct the election of Chairperson for 2020. M. Brown requested nominations. D. Carlson nominated and moved that H. Harper be elected Chairman for 2020. W. Quinn seconded. It was so moved. M. Brown turned the meeting to the new Chairman. H. Harper then requested nominations for Vice Chairman, Authority Administrator, Authority Solicitor, Authority Engineer and Authority Operator. After a brief discussion, the recommendations were as follows:

Vice Chairman – B. Watts

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

Authority Solicitor – Christopher Frantz, Esq.

Authority Engineer – ARRO Consulting, Inc.

Authority Operator – Clean Water, Inc.

D. Carlson moved to make the aforementioned appointments. W. Quinn seconded. It was so moved.

### Approval of Minutes

Draft minutes of the December 17, 2019 special meeting were presented. W. Quinn made a motion to approve the minutes as submitted. B. Watts seconded. It was so moved.

### Approval of Payments

Following questions and a brief discussion, a motion was made by D. Carlson to approve the payments for January 2020. W. Quinn seconded. It was so moved. B. Watts then moved to accept the financial reports submitted in good faith by the Township Treasurer. D. Carlson seconded. It was so moved.

### 2020 Operating and Capital Budgets – Consider Approval

M. Brown presented the draft budgets that had been submitted in December 2019. He noted the inclusion of the capital borrowing within the budgets and the timing of the expenditures. After a brief discussion and several questions, D. Carlson moved to approve and adopt the budgets as submitted. W. Quinn seconded. It was so moved.

### Authority Administration Reports

M. Brown noted that all facilities were operating well and within permit. Following several questions and a brief discussion, D. Carlson moved to accept the Reports as submitted. W. Quinn seconded. It was so moved

### Open Session

No public comment was made.

### **Next Meeting Date: February 25, 2020 - 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 B. Watts to adjourn the meeting at 8:37 PM.

Respectfully submitted,

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

February 21, 2020  
02:24 PM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2116 to 2137  
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
2116	02/25/20	21ST 21st CENTURY MEDIA PHILLY	876.75	2176
2117	02/25/20	ALSGROUP ALS GROUP USA, CORP	715.50	2176
2118	02/25/20	AQUAP010 AQUA PA	403.25	2176
2119	02/25/20	AQUAPA AQUA PA	150.00	2176
2120	02/25/20	ARROC010 ARRO CONSULTING, INC.	52,431.95	2176
2121	02/25/20	ATTMOBIL AT & T MOBILITY	42.90	2176
2122	02/25/20	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	1,264.65	2176
2123	02/25/20	CHRISFRA FRANTZ, CHRISTOPHER	129.00	2176
2124	02/25/20	CLEANWAT CLEAN WATER, INC.	6,455.00	2176
2125	02/25/20	COUNT010 COUNTRY ESTATE FENCE, INC.	143.30	2176
2126	02/25/20	DECKM010 DECKMAN MOTOR & PUMP, INC	3,377.19	2176
2127	02/25/20	INKS0010 INK'S DISPOSAL SERVICE, INC.	2,875.00	2176
2128	02/25/20	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	8,303.16	2176
2129	02/25/20	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,802.50	2176
2130	02/25/20	MSSER040 M & S SERVICE COMPANY, INC.	692.49	2176
2131	02/25/20	PEC00010 PECO	20,075.39	2176
2132	02/25/20	PENNS080 PENNSYLVANIA ONE CALL	126.93	2176
2133	02/25/20	PRED0010 PREDOC	3,731.50	2176
2134	02/25/20	TREAS010 TREASURER OF CHESTER COUNTY	500.00	2176
2135	02/25/20	UPPER070 UPPER UWCHLAN TOWNSHIP	63,477.73	2176
2136	02/25/20	USABL020 USA BLUE BOOK	1,397.35	2176
2137	02/25/20	VERIZFIO VERIZON	1,013.29	2176

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	22	0	169,984.83	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	<u>22</u>	<u>0</u>	<u>169,984.83</u>	<u>0.00</u>

Batch Id: LHAINES Batch Type: C Batch Date: 02/25/20 Checking Account: MA MERIDIAN G/L Credit: Expenditure G/L Credit  
Generate Direct Deposit: N

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					
20-00223	02/25/20	21ST	21st CENTURY MEDIA PHILLY	876.75	21ST CENTURY MEDIA - PHILLY CL	06-400-000-341	Expenditure	Aprv	1	1
		1 facilities position			Advertising					
				876.75						
20-00227	02/25/20	ALSGROUP	ALS GROUP USA, CORP	303.60	P.O. BOX 975444	06-420-000-030	Expenditure	Aprv	27	1
	02/25/20	1 st. elizabeth	semi-annual		Testing	06-420-000-030				
20-00227	02/25/20	2 saybrooke wells		411.90	Testing	06-420-000-030	Expenditure	Aprv	28	1
				715.50						
20-00225	02/25/20	AQUAP010	AQUA PA	18.00	PO BOX 70279	06-409-000-037	Expenditure	Aprv	11	1
	02/25/20	1 119	prescott drive		Water					
20-00225	02/25/20	2 100	milford road	18.00	Water	06-409-000-037	Expenditure	Aprv	12	1
20-00225	02/25/20	3 100	prescott drive	18.00	Water	06-409-000-037	Expenditure	Aprv	13	1
20-00225	02/25/20	4 meadow creek	lane	18.00	Water	06-409-000-037	Expenditure	Aprv	14	1
20-00225	02/25/20	5 308	flagstone road	18.00	Water	06-409-000-037	Expenditure	Aprv	15	1
20-00225	02/25/20	6 1	prospect hill	52.50	Water	06-409-000-037	Expenditure	Aprv	16	1
20-00225	02/25/20	7 528	walter court	45.37	Water	06-409-000-037	Expenditure	Aprv	17	1
20-00225	02/25/20	8 658	collingwood terr	52.50	Water	06-409-000-037	Expenditure	Aprv	18	1
20-00225	02/25/20	9 241	fellowship road	18.00	Water	06-409-000-037	Expenditure	Aprv	19	1
20-00225	02/25/20	10 29	yarmouth lane	20.38	Water	06-409-000-037	Expenditure	Aprv	20	1
20-00225	02/25/20	11 425	hemlock lane	52.50	Water	06-409-000-037	Expenditure	Aprv	21	1
20-00225	02/25/20	12 2680	primrose court	18.00	Water	06-409-000-037	Expenditure	Aprv	22	1
20-00225	02/25/20	13 381	lcr	18.00	Water	06-409-000-037	Expenditure	Aprv	23	1
20-00225	02/25/20	14 111	dorothy lane	18.00	Water	06-409-000-037	Expenditure	Aprv	24	1
20-00225	02/25/20	15 1120	sunderland ave	18.00	Water	06-409-000-037	Expenditure	Aprv	25	1
				403.25						
20-00228	02/25/20	AQUAPA	AQUA PA	75.00	ATTN: PA GENERAL ACCOUNTING	06-406-000-100	Expenditure	Aprv	29	1
	02/25/20	1	q1 2019 - 35 reads		Utility Billing Costs					
20-00228	02/25/20	2	q4 2019 - 34 reads	75.00	06-406-000-100	Expenditure	Aprv	30	1	

Check No. PO #	Check Date 02/25/20	Vendor # Name ARROC010 ARRO CONSULTING, INC.	Payment Amt 150.00	Street 1 of Address to be printed on Check 108 WEST AIRPORT ROAD	Charge Account 06-408-000-000	Account Type Expenditure	Status Seq Aprv	Acct 2 1
<b>Utility Billing Costs</b>								
20-00224	02/25/20	1 project 10270.67/adaptive reus	115.25	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	2 1
20-00224	02/25/20	2 project 17000 consulting serv	6,128.35	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	3 1
20-00224	02/25/20	3 project 9310.32 ww sys admin	14,958.89	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	4 1
20-00224	02/25/20	4 project 17000 consulting serv	6,036.73	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	5 1
20-00224	02/25/20	5 project 10270.48 byers road	1,014.00	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	6 1
20-00224	02/25/20	6 project 10270.53 sludge holdin	6,298.15	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	7 1
20-00224	02/25/20	7 project 10270.56 route 100	2,572.75	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	8 1
20-00224	02/25/20	8 project 10270.64 milford farms	12,611.58	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	9 1
20-00224	02/25/20	9 project 10270.71 act 537 plan	2,696.25	06-408-000-000 Engineering Fees	06-408-000-000	Expenditure	Aprv	10 1
			52,431.95					
20-00226	02/25/20	ATTMOBIL AT & T MOBILITY	42.90	PO BOX 6463 06-409-000-032 Telephone	06-409-000-032	Expenditure	Aprv	26 1
			42.90					
20-00229	02/25/20	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	1,264.65	118 W. MARKET STREET 06-404-000-000 Legal Fees	06-404-000-000	Expenditure	Aprv	31 1
			1,264.65					
20-00233	02/25/20	CHRISFRA FRANTZ, CHRISTOPHER	129.00	PO BOX 557 06-404-000-000 Legal Fees	06-404-000-000	Expenditure	Aprv	36 1
			129.00					
20-00230	02/25/20	CLEANWAT CLEAN WATER, INC.	6,455.00	170 DALLAS STREET 06-420-000-045 Contracted Services	06-420-000-045	Expenditure	Aprv	32 1
			6,455.00					
20-00231	02/25/20	COUNT010 COUNTRY ESTATE FENCE, INC.	83.60	35 SENN DRIVE 06-420-000-020 Supplies	06-420-000-020	Expenditure	Aprv	33 1
20-00231	02/25/20	1 pine rail	59.70	06-420-000-020 Supplies	06-420-000-020	Expenditure	Aprv	34 1
			143.30					
	02/25/20	DECKM010 DECKMAN MOTOR & PUMP, INC		49 W. FRONT STREET				

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
20-00232	02/25/20	1	meyers ejector pump	3,377.19	06-420-000-025	Maintenance & Repair	Expenditure	Aprv	35	1
				3,377.19						
	02/25/20	INKS0010	INK'S DISPOSAL SERVICE, INC.		564 NORTH MANOR ROAD					
20-00234	02/25/20	1	january - cleaned, pumped	2,875.00	06-420-000-025	Maintenance & Repair	Expenditure	Aprv	37	1
				2,875.00						
	02/25/20	MCGOV020	MCGOVERN ENVIRONMENTAL, LLC		920 SOUTH BOLMAR STREET					
20-00237	02/25/20	1	rt 100	77.63	06-420-000-031	Pump & Haul	Expenditure	Aprv	56	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	57	1
20-00237	02/25/20	2	rt 100	2,633.82	06-420-000-031	Pump & Haul	Expenditure	Aprv	58	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	59	1
20-00237	02/25/20	3	rt 100	1,053.53	06-420-000-031	Pump & Haul	Expenditure	Aprv	60	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	61	1
20-00237	02/25/20	4	rt 100	526.76	06-420-000-031	Pump & Haul	Expenditure	Aprv	62	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	63	1
20-00237	02/25/20	5	rt 100	77.63	06-420-000-031	Pump & Haul	Expenditure	Aprv	64	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	65	1
20-00237	02/25/20	6	rt 100	77.63	06-420-000-031	Pump & Haul	Expenditure	Aprv	66	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	67	1
20-00237	02/25/20	7	rt 100	77.63	06-420-000-031	Pump & Haul	Expenditure	Aprv	68	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	69	1
20-00237	02/25/20	8	rt 100	481.00	06-420-000-031	Pump & Haul	Expenditure	Aprv	70	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	71	1
20-00237	02/25/20	9	rt 100	77.63	06-420-000-031	Pump & Haul	Expenditure	Aprv	72	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	73	1
20-00237	02/25/20	10	eaglepointe	316.71	06-420-000-031	Pump & Haul	Expenditure	Aprv	74	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	75	1
20-00237	02/25/20	11	eaglepointe	818.17	06-420-000-031	Pump & Haul	Expenditure	Aprv	76	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	77	1
20-00237	02/25/20	12	eaglepointe	219.94	06-420-000-031	Pump & Haul	Expenditure	Aprv	78	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	79	1
20-00237	02/25/20	13	eaglepointe	316.71	06-420-000-031	Pump & Haul	Expenditure	Aprv	80	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	81	1
20-00237	02/25/20	14	eaglepointe	316.71	06-420-000-031	Pump & Haul	Expenditure	Aprv	82	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	83	1
20-00237	02/25/20	15	eaglepointe	404.69	06-420-000-031	Pump & Haul	Expenditure	Aprv	84	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	85	1
20-00237	02/25/20	16	lakeridge	826.97	06-420-000-031	Pump & Haul	Expenditure	Aprv	86	1
					06-420-000-031	Pump & Haul	Expenditure	Aprv	87	1
	02/25/20	MJREIDER	M. J. REIDER ASSOCIATES, INC.	8,303.16	107 ANGELICA STREET					
20-00236	02/25/20	1	st. andrews	108.50	06-420-000-030	Testing	Expenditure	Aprv	39	1
					06-420-000-030	Testing	Expenditure	Aprv	40	1
20-00236	02/25/20	2	saybrooke	108.50	06-420-000-030	Testing	Expenditure	Aprv	41	1
					06-420-000-030	Testing	Expenditure	Aprv	42	1
20-00236	02/25/20	3	rt 100 wwt	108.50	06-420-000-030	Testing	Expenditure	Aprv	43	1
					06-420-000-030	Testing	Expenditure	Aprv	44	1
20-00236	02/25/20	4	eaglepointe	150.50	06-420-000-030	Testing	Expenditure	Aprv	45	1

February 21, 2020  
02:22 PM

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
20-00236	02/25/20	5 reserve,eagle hunt,byers,ewing	56.00	Testing 06-420-000-030	Expenditure	Aprv	43	1
20-00236	02/25/20	6 marsh harbor	122.50	Testing 06-420-000-030	Expenditure	Aprv	44	1
20-00236	02/25/20	7 saybrooke	42.00	Testing 06-420-000-030	Expenditure	Aprv	45	1
20-00236	02/25/20	8 st. andrews	150.50	Testing 06-420-000-030	Expenditure	Aprv	46	1
20-00236	02/25/20	9 lakeridge	108.50	Testing 06-420-000-030	Expenditure	Aprv	47	1
20-00236	02/25/20	10 greenridge	108.50	Testing 06-420-000-030	Expenditure	Aprv	48	1
20-00236	02/25/20	11 rt 100 wwtp	108.50	Testing 06-420-000-030	Expenditure	Aprv	49	1
20-00236	02/25/20	12 saybrooke	108.50	Testing 06-420-000-030	Expenditure	Aprv	50	1
20-00236	02/25/20	13 eaglepointe	178.50	Testing 06-420-000-030	Expenditure	Aprv	51	1
20-00236	02/25/20	14 byers,ewing,reserve,eagle hunt	56.00	Testing 06-420-000-030	Expenditure	Aprv	52	1
20-00236	02/25/20	15 st. andrews	77.00	Testing 06-420-000-030	Expenditure	Aprv	53	1
20-00236	02/25/20	16 saybrooke	77.00	Testing 06-420-000-030	Expenditure	Aprv	54	1
20-00236	02/25/20	17 st. andrews	133.00	Testing 06-420-000-030	Expenditure	Aprv	55	1
				1,802.50				

02/25/20	MSER040	M & S SERVICE COMPANY, INC.	1220 VALLEY FORGE ROAD #16					
20-00235	02/25/20	1 lakeridge ps - service	692.49	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	38	1
			692.49					

02/25/20	PECO0010	PECO	PO BOX 37629					
20-00244	02/25/20	1 304 fellowship road	212.60	06-409-000-036 Electric	Expenditure	Aprv	81	1
20-00244	02/25/20	2 2500 eagle farms road	1,061.06	06-409-000-036 Electric	Expenditure	Aprv	82	1
20-00244	02/25/20	3 seabury lane	32.35	06-409-000-036 Electric	Expenditure	Aprv	83	1
20-00244	02/25/20	4 primrose court	1,009.44	06-409-000-036 Electric	Expenditure	Aprv	84	1
20-00244	02/25/20	5 100 prescott drive	426.92	06-409-000-036 Electric	Expenditure	Aprv	85	1
20-00244	02/25/20	6 301 pottstown pike	731.42	06-409-000-036 Electric	Expenditure	Aprv	86	1
20-00244	02/25/20	7 kristines/milford	163.64	06-409-000-036 Electric	Expenditure	Aprv	87	1
20-00244	02/25/20	8 711 dorian road	548.38	06-409-000-036 Electric	Expenditure	Aprv	88	1
20-00244	02/25/20	9 111 dorothy lane	106.20	06-409-000-036	Expenditure	Aprv	89	1

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
20-00244	02/25/20	10 dorlan drive	1,733.84	Electric 06-409-000-036	Expenditure	Aprv	90 1
20-00244	02/25/20	11 381 little conestoga	287.25	Electric 06-409-000-036	Expenditure	Aprv	91 1
20-00244	02/25/20	12 milford road	28.55	Electric 06-409-000-036	Expenditure	Aprv	92 1
20-00244	02/25/20	13 st. andrews road	42.73	Electric 06-409-000-036	Expenditure	Aprv	93 1
20-00244	02/25/20	14 park road	1,765.48	Electric 06-409-000-036	Expenditure	Aprv	94 1
20-00244	02/25/20	15 55 pottstown pike	566.95	Electric 06-409-000-036	Expenditure	Aprv	95 1
20-00244	02/25/20	16 yarmouth lane	467.28	Electric 06-409-000-036	Expenditure	Aprv	96 1
20-00244	02/25/20	17 sunderland ave	1,497.31	Electric 06-409-000-036	Expenditure	Aprv	97 1
20-00244	02/25/20	18 kiloran wynd	241.20	Electric 06-409-000-036	Expenditure	Aprv	98 1
20-00244	02/25/20	19 flagstone road	1,019.80	Electric 06-409-000-036	Expenditure	Aprv	99 1
20-00244	02/25/20	20 yarmouth lane	36.87	Electric 06-409-000-036	Expenditure	Aprv	100 1
20-00244	02/25/20	21 140 pottstown pike	195.97	Electric 06-409-000-036	Expenditure	Aprv	101 1
20-00244	02/25/20	22 275 fellowship road	6,112.10	Electric 06-409-000-036	Expenditure	Aprv	102 1
20-00244	02/25/20	23 heron hill drive	105.70	Electric 06-409-000-036	Expenditure	Aprv	103 1
20-00244	02/25/20	24 indian springs drive	83.78	Electric 06-409-000-036	Expenditure	Aprv	104 1
20-00244	02/25/20	25 yarmouth lane	154.46	Electric 06-409-000-036	Expenditure	Aprv	105 1
20-00244	02/25/20	26 cassandra lane	312.76	Electric 06-409-000-036	Expenditure	Aprv	106 1
20-00244	02/25/20	27 fellowship road	1,131.35	Electric 06-409-000-036	Expenditure	Aprv	107 1
			20,075.39				
20-00239	02/25/20	PENNS080 PENNSYLVANIA ONE CALL 1 monthly activity	126.93	P.O. BOX 640407 06-420-000-329 PA One Call	Expenditure	Aprv	75 1
			126.93				

20-00238	02/25/20	PREDO010 PREDOC 1 lagoon repair	1,997.75	14 CHRSEVYN LANE 06-420-000-025 Maintenance & Repair	Expenditure	Aprv	72 1
20-00238	02/25/20	2 st. andrews wtp	1,448.75	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	73 1
20-00238	02/25/20	3 st. andrews wtp	285.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	74 1
			3,731.50				

February 21, 2020  
02:22 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 6

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status Seq	Acct
20-00240	02/25/20	1	milford farms permit sewer	500.00	06-420-000-035	Permits	Expenditure	Aprv	76 1
				500.00					
20-00243	02/25/20	1	2019 q4 admin fees	63,477.73	140 POTTSTOWN PIKE	06-400-000-001	Expenditure	Aprv	80 1
				63,477.73	Administration				
20-00242	02/25/20	1	chlorination	607.80	PO BOX 9004	06-420-000-022	Expenditure	Aprv	78 1
20-00242	02/25/20	2	dechlorination	789.55	Chemicals	06-420-000-022	Expenditure	Aprv	79 1
				1,397.35	Chemicals				
20-00241	02/25/20	1	VERIZFIO VERIZON february	1,013.29	PO BOX 15124	06-409-000-032	Expenditure	Aprv	77 1
				1,013.29	Telephone				

---

Checks:	<u>Count</u>	<u>Line Items</u>	<u>Amount</u>
	22	107	169,984.83

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There are NO errors or warnings in this listing.

**Upper Uwchlan Township Municipal Authority**

**Balance Sheet**

**As of January 31, 2020**

**ASSETS**

Cash

06-100-000-010	General Checking - Fulton Bank	\$ 110,473.86
06-100-000-015	General Checking - Meridian Bank	84,067.30
06-100-000-020	General Checking - WIPP	141,783.83
06-106-000-002	Connection Fee Account	370,573.63
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA	<u>5,333,769.83</u>
	<b>Total Cash</b>	<b>6,040,668.45</b>

PSDLAF Investments:

06-109-000-003	CD Program	-
06-109-000-004	Full Flex	<u>183.84</u>

**Total Investments** **183.84**

Accounts Receivable

06-145-000-001	Usage Fees Receivable	280,273.23
06-145-000-002	Capital Assessment Receivable	-
06-147-000-000	Misc Accounts Receivable	<u>546.00</u>
	<b>Total Accounts Receivable</b>	<b>280,819.23</b>

Other Current Assets

06-130-000-001	Due from MA Capital Fund	-
06-130-000-002	Due from UUT General Fund	1,193.52
06-130-000-003	Due from UUT Capital Fund	-
06-130-000-004	Due from Solid Waste Fund	-
06-130-000-005	Due from Stormwater Fund	-
06-130-000-006	Due from Sewer Fund	-
06-152-000-000	Undeposited Funds	-
06-155-000-000	Pre-Paid Expenses	-
06-155-000-010	Pre-Paid Attorney Fees	-
	<b>Total Other Current Assets</b>	<b>1,193.52</b>

Fixed Assets

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)	<u>234,000.00</u>
	<b>Total Fixed Assets</b>	<b>1,368,360.71</b>

Other Long Term Assets

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

**Total Assets** **\$ 9,340,518.99**

**Upper Uwchlan Township Municipal Authority**  
**Balance Sheet**  
**As of January 31, 2020**

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	86,296.15
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	13,484.10
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	-
06-230-000-070	Due to UUT Sewer Fund - 2019 Bonds	5,205,556.07
06-240-000-000	Accrued Expenses	46,188.35
06-241-000-100	Retainage on Phase II Construction Project	-
06-245-000-000	Due to Customers	275.00
	<b>Total Current Liabilities</b>	<b>5,351,799.67</b>
<u>Equity</u>		
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	3,311,907.98
	Current Period Net Income (Loss)	(76,689.01)
	<b>Total Equity</b>	<b>3,988,719.32</b>
	Total Fund Balance	3,988,719.32
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 9,340,518.99</b>

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

For the Period Ended January 31, 2020

	Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(unaudited)</i>	Budget 2019
<b>REVENUES</b>					
06-340-000-000 Interest Income	8,311.49	80,000.00	10.4%	143,374.14	15,000.00
06-365-000-000 Usage Fees Residential	34,953.23	2,293,851.00	1.5%	2,240,529.53	2,139,571.00
06-365-000-001 Usage Fees Commercial	2,250.00	-	#DIV/0!	121,234.30	100,000.00
06-365-000-010 Connection Fees	22,312.50	1,622,250.00	1.4%	25,875.00	2,543,000.00
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
06-393-000-100 Proceeds from Long Term Debt	-	-	#DIV/0!	-	5,393,221.00
06-395-000-000 Refund of Prior Year Expenditures	-	-	#DIV/0!	-	-
06-395-000-100 Transfer from Sewer Fund	-	-	#DIV/0!	-	-
<b>TOTAL REVENUES</b>	<b>\$ 67,827.22</b>	<b>\$ 3,997,101.00</b>	<b>1.7%</b>	<b>\$ 2,531,012.97</b>	<b>\$ 10,191,792.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration	22,818.42	273,821.00	8.3%	270,079.91	241,246.00
06-400-000-002 Authority Administrator	14,958.89	120,000.00	12.5%	128,346.80	120,000.00
06-400-000-003 Professional Fees	-	12,000.00	0.0%	-	12,000.00
06-400-000-200 Admin Supplies	-	1,000.00	0.0%	149.68	1,000.00
06-400-000-341 Advertising	-	5,000.00	0.0%	149.93	5,000.00
06-400-000-352 Insurance - Liability	1,027.99	5,370.00	19.1%	3,575.25	5,545.00
06-400-000-355 Bank Fees	2.00	650.00	0.3%	319.00	650.00
06-402-000-450 Audit Fees	-	5,450.00	0.0%	5,550.00	5,450.00
06-404-000-000 Legal Fees	105.00	25,000.00	0.4%	16,663.14	20,800.00
06-406-000-100 Utility Billing Costs	1,417.50	12,000.00	0.0%	12,216.87	10,000.00
06-408-000-000 Engineering Fees	31,229.46	175,000.00	17.8%	401,482.89	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	71,559.26	635,291.00	11.3%	838,533.47	571,691.00
<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	1,082.38	15,000.00	7.2%	14,512.98	15,000.00
06-409-000-035 Insurance	3,083.96	11,078.00	27.8%	10,725.75	8,756.00
06-409-000-036 Electric	(1,193.52)	250,000.00	-0.5%	252,319.68	250,000.00
06-409-000-037 Water	-	20,000.00	0.0%	19,149.60	25,000.00
06-409-000-052 Bldg Maint & Repair	-	10,000.00	0.0%	-	10,000.00
06-409-000-260 Building Supplies & Small Tools	-	15,000.00	0.0%	16,010.63	5,000.00
06-409-000-427 Waste Disposal	-	-	#DIV/0!	250.00	-
	2,972.82	326,078.00	0.9%	312,968.64	318,756.00
<u>Operations:</u>					
06-420-000-020 Supplies	340.07	50,000.00	0.7%	51,257.99	20,000.00
06-420-000-022 Chemicals	-	15,000.00	0.0%	9,539.38	15,000.00
06-420-000-023 Propane and Fuel Oil	-	5,000.00	0.0%	1,151.74	5,000.00
06-420-000-025 Maintenance & Repair	9,125.88	120,000.00	7.6%	110,707.57	120,000.00
06-420-000-030 Testing	774.30	35,000.00	2.2%	39,736.19	40,000.00
06-420-000-031 Pump & Haul	-	50,000.00	0.0%	70,631.62	50,000.00
06-420-000-032 Vegetation Management	-	20,000.00	0.0%	18,055.61	20,000.00
06-420-000-035 Permits	150.00	5,000.00	3.0%	2,616.00	5,000.00
06-420-000-042 Dues and Memberships	-	-	#DIV/0!	10.00	2,500.00
06-420-000-045 Contracted Services	22,780.00	150,000.00	15.2%	156,977.62	135,000.00
06-420-000-048 Misc expenses	114.00	10,000.00	1.1%	1,489.35	10,000.00
06-420-000-235 Vehicle Maintenance	-	2,000.00	0.0%	38.94	2,000.00
06-420-000-329 PA One Call	99.15	2,500.00	4.0%	1,253.74	2,500.00
	33,383.40	464,500.00	7.2%	463,465.75	427,000.00

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

**For the Period Ended January 31, 2020**

*(Continued)*

		Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(unaudited)</i>	Budget 2019
<b><u>Capital:</u></b>						
06-483-000-000	Capital Repair	36,600.75	50,000.00	73.2%	689,483.51	50,000.00
06-483-000-100	Capital Construction	-	1,500,000.00	0.0%	-	1,500,000.00
06-493-000-083	Depreciation	-	100,000.00	0.0%	-	50,000.00
		<hr/> 36,600.75	<hr/> 1,650,000.00	<hr/> 2.2%	<hr/> 689,483.51	<hr/> 1,600,000.00
<b>Total Expenditures before Operations Agreement and Transfers</b>		<b>\$ 144,516.23</b>	<b>\$ 3,075,869.00</b>	<b>4.7%</b>	<b>\$ 2,304,451.37</b>	<b>\$ 2,917,447.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ (76,689.01)</b>	<b>\$ 921,232.00</b>	<b>-8.3%</b>	<b>226,561.60</b>	<b>7,274,345.00</b>
<b><u>Other:</u></b>						
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	#DIV/0!	280,630.75	369,213.00
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	-	237,494.00	0.0%	190,062.30	190,681.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	-	335,300.00	0.0%	48,198.15	-
		<hr/> -	<hr/> 572,794.00	<hr/> 0.0%	<hr/> 518,891.20	<hr/> 559,894.00
06-492-000-010	Transfer to Sewer Fund	-	-	#DIV/0!	-	-
06-492-000-020	Transfer to Water Resource Protection Fund	-	-	#DIV/0!	-	-
06-492-000-030	Transfer to UUT Capital Fund	-	-	#DIV/0!	-	-
		<hr/> -	<hr/> -	<hr/> #DIV/0!	<hr/> -	<hr/> -
<b>TOTAL EXPENDITURES</b>		<b>\$ 144,516.23</b>	<b>\$ 3,648,663.00</b>	<b>4.0%</b>	<b>\$ 2,823,342.57</b>	<b>\$ 3,477,341.00</b>
<b>OPERATING INCOME</b>		<b>\$ (76,689.01)</b>	<b>\$ 348,438.00</b>	<b>-22.0%</b>	<b>\$ (292,329.60)</b>	<b>\$ 6,714,451.00</b>

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

*Month to Month Change in Receivables and Collections*

	January 2020	December 2019	Change
Beginning Receivable Balance	236,887.38	265,481.68	28,594.30
<u>Billings:</u>			
Calculated charges billed	567,662.54	2,228,538.22	1,660,875.68
Billing adjustments	(116.15)	7,869.97	7,986.12
Late payment penalty	-	109,060.25	109,060.25
Adjustments	-	1,243.01	1,243.01
	804,433.77	2,612,193.13	1,807,759.36
<u>Less:</u>			
Collections*	37,203.23	2,375,305.75	2,338,102.52
Receivable balance, month end	767,230.54	236,887.38	(530,343.16)

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)

	<b>12/31/2018</b>	<b>9/30/2019</b>	<b>10/31/2019</b>	<b>11/30/2019</b>	<b>12/31/2019</b>	<b>1/31/2020</b>
Number of delinquent accounts	148	160	133	180	125	105
Total delinquent balance	206,093	213,107	181,653	208,769	172,046	156,809

**2020 Payment Schedule**

	<u>Bills Mailed</u>	<u>Bills Mailed</u>	<u>Payment Due</u>
First quarter	1/31/2019	1/31/2020	3/2/2020
Second quarter	4/30/2019	4/30/2020	5/31/2020
Third quarter	7/31/2019	7/31/2020	8/31/2020
Fourth quarter	10/31/2019	10/31/2020	11/30/2020

# Clean Water, Inc.

170 Dallas St.  
Box 475  
Atglen, Pa. 19310

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

February 24, 2020

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

RE: Report for the February meeting

Dear Authority,

Enclosed please find the monthly report that was submitted to the DEP on your behalf. The reports are for December, informational items are current.

## **Route 100**

Weather continues to limit spray events. While it's been relatively mild, wind and rain have been an issue. The floating baffle mentioned last month was not able to be reused. I suspect the elements and age really deteriorated the fabric. MGK is looking into a replacement quote for us. A spare pump for the Ewing Tract influent station has been ordered. This is a budgeted item. The phone line over at Eagle Manor pump station mentioned last month has been replaced with a FIOS line and is operational. I will be turning all of the lagoon aerators on shortly, it is normally around March 1<sup>st</sup>.

## **Eaglepointe**

Plant is running fine, however, high flows on weekends have created some issues both hydraulically and organically. I have been using pump and haul as a method to control this. We continue to see only typical screenings in the catch baskets. I have asked Mike Heckman to check out a way to limit surface rainwater from entering plant area. Since the entire lot was repaved, we have rainwater runoff into the yard during heavy rain events.

## **Marsh Harbour**

Plant is running fine. I forgot to mention last month my appreciation for having the pine trees removed that were close to the plant. The needles dropping into the basin was a problem in the past. Spray in January while better than December was limited. The lagoon is about ½ full at the moment. The timer for the spray pumps is acting up -- I have asked M and S services to take a look and replace it if necessary

### **Lakeridge**

Plant is running fine. Sludge was removed by McGovern. I believe the final punch list items have been addressed for the sludge tank project.

### **Saybrooke**

Facility is running fine. However, I have noticed the beds slowing as far as rates goes after heavy rain events. I suspect the ground saturation and the age of the beds are the limiting factors. I will flush as I can and schedule our semi-annual cleanings by Predoc as necessary.

### **Greenridge**

The drip has been turned on. Lagoon levels are fine. McGovern cleaned the septic tanks at Stonehedge on the three-year cycle. However, there was one tank they could not find at 89 Indian Springs West. Their records indicate it was done right along with the others in the past. I went out and looked for it and had no luck. There is a visible clean out for the lateral in the yard so at least we have a starting point. Will keep you posted.

### **St. Andrews**

Public Works repaired the lateral for the neighbor. This lateral, unlike the others, enters the plant directly. The line had sagged about a foot or so within the plant's property. Predoc came out and televised the line to document the improvements.

Wanted to mention that Tim has been doing a terrific job. That is all for now, please call with any questions.

Respectfully,

Brian Norris



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

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## MEMORANDUM

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TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: February 19, 2020

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

### **Byers Station**

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

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

**Village at Byers Station (5C), Lot #2 Commercial Parcel:** ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFPM) 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 SFPM approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course

paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019 comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors meeting it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. The Authority Administrator sent a December 9, 2019 letter to PADEP with responses to comments contained in the October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard.

Nothing new to report.

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

PADEP issued a July 23, 2019 with three (3) items missing from the submitted SFPM. The Authority sent PADEP an August 23, 2019 letter in response to PADEP's July 23, 2019 letter containing three comments to the project's SFPM. The UUT Board of Supervisors at its September 16, 2019 meeting executed the amended Tentative Approval Decision to permit Parcel 6C to be developed as a senior living facility. PADEP issued a November 7, 2019 letter approving the Official Plan revision for the construction of the 101-unit retirement living apartment unit at 10,100 gpd sewage volume. ARRO reviewed the latest revision to the Vantage Point Retirement Living land development plans, dated December 6, 2019. ARRO issued a January 6, 2020 review comments letter to the Township.

ARRO is reviewing the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020.

### **Eagle Hunt**

Nothing new to report.

### **Eaglepointe**

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

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

ARRO and UUT Public Works are working together to locate the source of rag-dumping into the Eaglepointe sanitary sewer system that are clogging the WWTP's influent pumps. On June 27, 2019 UUT Public Works found rags in an Eaglepointe sanitary sewer system manhole only Wawa uses. ARRO discussed the rag issue with the Wawa store manager. ARRO also sent correspondence to the Wawa corporate office and has received written and verbal responses from Wawa that they are endeavoring to correct the issue at their store. On August 20, 2019 ARRO received an email from Wawa that they have retained an outside engineer to design an in-line tank to catch rags and articles of clothing that have been found in the WWTP's influent pump station. On August 20, 2019 ARRO received an email from Wawa that they have retained an outside engineer to design an in-line tank to catch rags and articles of clothing that have been found in the WWTP's influent pump station. On August 27, 2019 ARRO received an email from Wawa stating they have retained Keystone Engineering to design an in-line tank to catch rags and articles of clothing before they get into the Eaglepointe sanitary sewer system. ARRO is awaiting drawings for review. On October 10, 2019 ARRO received Keystone Engineering's Wawa site design plans depicting an in-line septic tank to catch rags before they can enter the Eaglepointe sanitary sewer system. ARRO reviewed the drawings and transmitted comments back to Keystone. ARRO reviewed and commented on the revised drawings for the in-line septic tank and piping at the Wawa site submitted by Keystone Engineering on October 23, 2019. ARRO provided responses to December 9, 2019 contractor questions regarding the proposed Keystone Engineering in-line septic tank and piping at the Wawa site. During the week of January 13, 2020 the Wawa contractor installed the new in-line septic tank, manhole and piping at the Wawa site.

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.

Eagle Service Center is unwilling to consent to a sanitary sewer easement across its property. ARRO has prepared an alternative to an entirely gravity sewer design with a preliminary low pressure force main design that crosses through the CarSense property in order to avoid the Eagle Service Center property.

**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. ARRO reviewed the latest land development plan, dated September 18, 2019, and issued an October 28, 2019 letter with comments to the plan. On January 22, 2020 ARRO was informed by E. B. Walsh Engineering that water consumption records will be submitted.

Water consumption records from a similar size Starbucks were submitted averaging 800 gpd. On February 12, 2020 ARRO requested that E. B. Walsh provide BOD and TSS discharge test results from similar size Starbucks. A planning module waiver is also under review by ARRO.

### **Ewing Tract**

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. ARRO reviewed TWT sanitary sewer record drawings for the Ewing Tract – West Vincent Single Family East subdivision and transmitted comments to TWT on December 11, 2019.

Repair of a Ewing Tract – West Vincent gravity sewer pipe defect found during the review of the contractor's televising will be completed the first week of March 2020.

### **Fetter Farm Tract (Preserve at Marsh Creek)**

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 was 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 send to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. ARRO reviewed the latest revised Water Quality Management Part II Permit application package received August 21, 2019 from Ebert Engineering. ARRO has no further comments to Ebert's permit application, only ARRO comments remain to be addressed on E. B. Walsh's land development drawings regarding the lining of low pressure force main discharge manholes. Ebert Engineering sent to PADEP the WQM Part II Permit Application package by transmittal letter dated October 3, 2019. On October 15, 2019 ARRO received from E. B. Walsh the latest Subdivision and Land Development Plan drawings entitled "The Preserve at Marsh Creek" along with a response letter to previous plan review comments. ARRO will review and comment on the sanitary sewer portion of the latest drawings. ARRO reviewed and on November 1, 2019 issued comments to the Phases 1 and 1A sanitary sewer escrow calculations as submitted by the McKee Group. McKee Group issued revised escrow calculations on November 15, 2019 in response to ARRO comments. The Preserve at Marsh Creek preconstruction meeting was held on December 4, 2019. Site survey and erosion control measures work will be starting within two weeks. ARRO has requested a schedule of sanitary sewer installation work from the site contractor. PADEP issued the WQM permit, dated November 25, 2019, for the low pressure sanitary sewer with individual grinder pumps and for the upgrade to the Reserve at Eagle Pump Station No. 1 required as part of the project.

McKee Group held a February 5, 2020 meeting with its engineers and contractor. Discussions included forthcoming designs for the piping between the Preserve drip fields and Upland Farms pump station, revisions to gravity sanitary sewer around Reserve at Eagle PS #1, and the Route 100 Regional WWTP Phase III expansion. McKee expects submission of the Phase III expansion design around May 2020, not March 2020 as stipulated in the Agreement for Expansion of the Route 100 Central WWTP.

ARRO had a February 12, 2020 meeting with Keystone Engineering at the Reserve at Eagle PS #1 to discuss electrical revisions to the station in support of the upgrade necessary to carry McKee flows.

ARRO continues reviewing the project's sanitary sewer materials shop drawings.

Site contractor construction schedule shows start of sanitary sewer installation as the last week of February 2020.

### **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. ARRO received the draft sanitary sewer record drawings. ARRO reviewed the drawings and returned comments to Toll Brothers on November 26, 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, a.k.a OCARD). 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 Heath 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 Heath Department returned the Open Community Components 4A, 4B and 4C. Component 3 Sections G and J were completed. The Township authorized sending the SFPM package to PADEP for review. The Authority Administrator prepared a March 14, 2018 letter to Warwick Land Development stating the Authority continues to lack sufficient information from Warwick before the Authority could agree to operate the pretreatment facility proposed for the Open Community Adaptive Reuse Development. On behalf of the Open Community Developer, on November 13, 2018 Boucher & James submitted sewer connection plans for review. ARRO is in the process of reviewing the plans and will issue comments in a separate letter. ARRO completed its review of the November 13, 2018 Boucher & James sewer connection plans and issued a November 28, 2018 comments letter to the Township. Subsequently, Boucher & James submitted to ARRO a response email on December 3, 2018 along with revised plans, last dated December 3, 2018. ARRO is reviewing the email responses and the latest revised plans. On February 25, 2019 PADEP released the WQM permit for the Open Community Adaptive Reuse Project. On March 12, 2019 the Township received a sewer permit application from the Developer. ARRO is setting up a pre-construction meeting for the Open Community Adaptive Reuse Project. On April 25, 2019 ARRO conducted a pre-construction meeting for the Open Community project. The Developer will attempt to use the existing lateral connection installed during

the original Greenridge sanitary sewer installation work done in 2005. The Developer excavated a test hole at the existing Greenridge subdivision lateral connection. ARRO was informed by the Developer that elevations were taken and submitted to Boucher & James. The lateral will be used. New plans for connection to the existing lateral will be prepared and submitted to the Authority and ARRO for review. ARRO sent a September 17, 2019 email to the Developer requesting a project update for the sanitary sewer portion of the Open Community Adaptive Reuse Project. On October 15, 2019 ARRO received an email from the Developer with a project update stating bids have been awarded for the sanitary sewer portion of the Open Community Adaptive Reuse Project. Developer also indicated construction is tentatively scheduled for mid-December 2019. ARRO reviewed the latest sanitary sewer connection plan drawings, dated December 19, 2019. ARRO also reviewed some project sanitary sewer shop drawings. On January 16, 2020 ARRO submitted to the Developer comments to both items.

ARRO is reviewing the latest revision to the OCARD land development plans, dated February 14, 2020, and additional shop drawings.

### **Jankowski (Chester Springs Crossing)**

The Preliminary Plan/Conditional Use Application was submitted to the Township and ARRO provided comments on the sanitary sewer system. ARRO met with The Cutler Group on December 10, 2008 to discuss ARRO's Preliminary Plan/Conditional Use Application review comments. The Cutler Group advised that it was able to locate suitable soils to provide sufficient disposal capacity for both its development needs and the Township's required disposal capacity. ARRO reviewed the soils report and issued a letter to the Township agreeing that sufficient capacity appears to exist, although actual capacity will need to be verified through an as-built survey. ARRO provided comments on a draft preliminary subdivision plan addressing the Township Engineer's June 2008 review letter. The Cutler Group subsequently requested an informal review of the revised plans and ARRO provided unofficial comments so that The Cutler Group may further refine the draft preliminary plan in anticipation of its official submission to the Township. ARRO studied the feasibility of connecting the 60 Jankowski homes to the Saybrooke WWTP system. ARRO found that the Saybrooke WWTP does not have the capacity to treat the additional 14,000 gpd and Pump Station No. 2 does not have sufficient capacity. Also, the land parcel does not have sufficient footprint to support an upgrade to the WWTP. ARRO studied expanding the Saybrooke seepage beds and adding drip facilities. ARRO intends to review PADEP records regarding original Saybrooke seepage bed and soil design parameters. On July 22, 2014, ARRO reviewed PADEP records regarding the original Saybrooke seepage bed and soil design parameters, which confirmed ARRO's initial assumptions, and it appears that all effluent can be disposed on the existing lot if four absorption beds and a drip irrigation system are utilized. ARRO is creating an opinion of probable construction cost for expanding the absorption beds. ARRO has prepared its initial opinion of probable construction cost for expanding the absorption beds. ARRO was in the process of creating an opinion of probable construction cost for the drip irrigation system, but can't obtain final design parameters from PADEP unless onsite soil testing is done to determine soil percolation rates. ARRO issued a May 5, 2017 review letter to the Township with comments to the September 13, 2016 Conditional Use Plan for the Jankowski Tract. On February 2, 2018, the Developer's engineer submitted for review subdivision plans of a 55 Single Family Housing unit community. ARRO is working on a review of the sanitary sewer portion of the subdivision plans. ARRO completed its review of the Preliminary/Final Subdivision-Land Development Plan submitted by E. B. Walsh and prepared a February 26, 2018 letter to the Township with comments to the Plans. ARRO responded to Toll Brothers regarding the Windsor Ridge Pump Station capacity to receive Jankowski estimated sanitary flow. ARRO reviewed the Preliminary/Final Subdivision-Land Development Plan, last revised May 18, 2018, and prepared June 11, 2018 comments to the Township. Sewage Facilities Planning Module Components 4A, 4B and 4C were received. Presently the project is in the 30-day Public Notice periods, which upon completion the Township can submit the components to PADEP. The Authority Administrator sent an August 14, 2018 letter to Chester County Health Department (CCHD) regarding CCHD's Component 4C comment about malfunctions along Surrey Lane, Font Road and Carriage Drive. The Administrator stated the Authority will be evaluating future

extensions in these areas. Subsequently, ARRO conducted a small conceptual planning study to sewer these areas. ARRO presented three sewer extension options and cost opinions to the Authority Administrator for review and comment. The first gravity and low pressure sewer concept sends all flow through the Jankowski tract, the second all-gravity sewer concept sends some flow through Jankowski and the remainder to Reserve at Eagle, while the third all gravity sewer concept sends all flow to the Reserve at Eagle. ARRO is reviewing the latest Preliminary/Final Subdivision Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. SFPM Components 4A, 4B and 4C were received, but the bog turtle clearance letter from PA Fish & Wildlife is still outstanding. The UUT Board of Supervisors authorized the resolution needed for the Sewage Facilities Planning Module at their October 15, 2018 meeting but are holding it until the clearance letter is issued. ARRO prepared an August 30, 2018 sanitary sewer review letter to the latest Preliminary/Final Subdivision-Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. On February 4, 2019, ARRO received the preliminary sanitary sewer escrow calculations from Toll Brothers. ARRO reviewed the calculations and returned comments to Toll. Revised calculations were received and after review were accepted by ARRO. ARRO prepared and sent a letter to the Township recommending acceptance of the sanitary escrow in the amount of \$425,955.60. On February 27, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by letter dated March 11, 2019. On March 18, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by email dated April 1, 2019. On April 2, 2019 ARRO received from Toll Brothers a revised sanitary sewer escrow calculation based on the latest E. B. Walsh drawings. ARRO prepared an April 2 letter to the Township recommending accepting the revised escrow amount. ARRO received a May 22, 2019 email from Toll Brothers stating Jankowski construction might start in July 2019. A pre-construction meeting for the project has been scheduled for July 24, 2019. ARRO attended the July 24, 2019 pre-construction meeting and the August 21, 2019 PennDOT HOP site meeting. Sanitary sewer installation for the project is set to begin on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Sanitary sewer installation for the project began on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Garrison Drive sanitary sewer installation is almost complete and the contractor intends to continue its work in the Jankowski site. The boring for the sanitary sewer casing under Route 100 linking Jankowski and Windsor Ridge will take place sometime in October 2019. The sanitary sewer casing boring under Route 100 linking Jankowski and Windsor Ridge is scheduled for the week of October 28, 2019. The boring and casing work under Route 100 was completed the week of November 18, 2019. In order to correct a sewer misalignment through the casing Toll Brothers agreed to install two new manholes, one upstream and one downstream of the casing, and also relocate a recently installed manhole to achieve minimum sewer slope required by PADEP. Sanitary sewer installation continues within the site. Over the weeks of January 6 through January 13, 2020 two new manholes, one upstream and one downstream of the casing, were installed and one existing manhole in Garrison Drive was relocated to achieve minimum sewer slope required by PADEP. Sanitary sewer installation still continues within the site.

Testing of sanitary sewer through Milford Road Extension, across Route 100 and in Windsor Ridge's Garrison Drive started the last week of January 2020 and continued into early February. All testing was positive.

### **Lakeridge**

ARRO is preparing plans and specifications for construction of a sludge tank exterior to the WWTP Control Building. ARRO conducted an inspection of the Lakeridge WWTP Control Building in order to prepare maintenance and repair items for inclusion in the sludge tank construction contract. ARRO is continuing to prepare the sludge tank and building repairs plans and specifications. ARRO has both the sludge tank plans and specifications and the PADEP Part 2 permit application approximately 80 percent complete. ARRO has completed the sludge tank plans and specifications. The Part 2 permit application is expected to be submitted to PADEP by the end of May 2018. Changes to sludge tank

design plans were necessary due to updated Columbia Gas easement information. ARRO submitted the Part 2 permit application to PADEP on July 17, 2018. PADEP sent an August 14, 2018 Water Quality Management permit for the sludge tank project. The bidding phase of the work is now in progress. The Sludge Tank Relocation project was put out to bid on September 4, 2018. A pre-bid meeting for the project is scheduled for September 20, 2018. Bids are due October 18, 2018. ARRO plans to have a bid award recommendation prepared for the October 23, 2018 Authority meeting. Bids for the Sludge Tank Relocation project were received on October 18, 2018 and reviewed by ARRO. ARRO recommended award of the General Contract to Blooming Glen Contractors and the Electrical Contract to Eastern Environmental Contractors. Agreements were delivered to the Township on November 19, 2018 for execution by the Authority at its November Board meeting. ARRO conducted the Sludge Tank Relocation project pre-construction meeting on December 10, 2018. The Sludge Tank project Notice to Proceed was issued on December 17, 2018 for a 180-calendar day construction period. Blooming Glen Contractors submitted its one-call notice for excavation on January 9, 2019. Sludge Tank project shop drawings are being reviewed. The Blooming Glen Contractors project schedule says construction will start in April 2019. The sludge tank project schedule had a setback due to a tank precast fabrication delay. Blooming Glen has submitted a 90-calendar day extension of contract time change order request. Work has begun in the Control Building with the installation of replacement unit heaters. The sludge tank excavation is complete and the tank is scheduled to be delivered July 18, 2019. The date of substantial completion is September 13, 2019. The sludge tank was installed and the general construction and electrical work is commencing. Change orders have been prepared for a 28-calendar day time extension to the general and electrical contracts. The date of substantial completion is now October 11, 2019. The sludge tank general construction and electrical work is coming to an end. Start-up testing is expected to be done in mid-October to meet the substantial completion date. Start-up testing is scheduled for the week of October 21, 2019 to meet the revised substantial completion date. Start-up testing is complete. Punchlist work is commencing. The project is expected to be done by mid-December 2019.

Punchlist work is continuing. The project is expected to be done by mid-January.

### **Marsh Harbour**

The Marsh Harbour WWTP WQM permit was renewed and issued on December 9, 2019. ARRO completed the Groundwater Monitoring Background report required as part of the permit renewal and transmitted the report to PADEP on January 22, 2020.

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

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 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 Commonwealth Financing Authority (CFA) Board meeting. The CFA posted its September 17, 2019 meeting grant award list and Upper Uwchlan Township was awarded the \$32,610 grant as requested on the Act 537 Planning Grant application. The UUTMA Act 537 Planning Project is awaiting the grant award documentation and agreement from CFA, which needs to be processed and signed before ARRO can move ahead with the planning. The UUTMA Act 537 Planning Project grant award documentation and agreement from CFA was signed. ARRO has started some basic planning work by reviewing past 537 Planning documents and township demographics.

ARRO continues basic Act 537 planning work.

ARRO continues preparing the Route 100 Regional WWTP 2019 Chapter 94 report.

### **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**

The property owner at 10 Kiloran Wynd, adjacent to the St. Andrews Brae WWTP, has had two blockages in his sewer and questions whether the WWTP is causing the problem. The Authority Administrator authorized a survey investigation to determine if the blockage location is on the WWTP property or the property owner's land.

Nothing new to report.

### **Upland Farms**

Columbia Gas is planning cathodic protection work within its right-of-way through a portion of Upland Farms and Waynebrook. ARRO reviewed the work plan drawings and provided information to Columbia Gas regarding the Authority's disposal fields and Little Conestoga Pump Station force main bordering the planned work area.

Nothing new to report.

### **Waynebrook**

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

Nothing new to report.

### **Windsor Ridge**

Nothing new to report.

### **Miscellaneous**

**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, 2018, 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. The last four house service lines were installed and tested during the week of October 1, 2019. Sanitary sewer installation work is complete, but dedication of sanitary sewer remains.

Nothing new to report.

**Village of Eagle**

**160/180 Park Road (Gunner Properties)** - ARRO reviewed and commented on the sanitary sewer plans submitted to the Township on June 14, 2017 for the connection of 160/180 Park Road to the Route 100 Regional WWTP sanitary sewer system. ARRO reviewed revised sanitary sewer plans submitted to the Township on August 3, 2017. ARRO sent a letter to the Authority approving the revised plans. ARRO received updated Preliminary/Final Land Development Plans on October 17, 2017 for review. ARRO issued an October 31, 2017 comments letter to the updated Preliminary/Final Land Development Plans, received on October 17, 2017, requesting additional information on proposed bathroom facilities to determine the sanitary sewer capacity that will need to be purchased. ARRO reviewed a request to allow installation of an 8" saddle on the existing 12" sewer main in lieu of 8" x 12" cut-in wye as shown on the Developer's approved design drawings. The request was denied unless further information is supplied supporting the request's feasibility. ARRO reviewed and accepted installation of an 8" saddle on the existing 12" sewer main in lieu of 8" x 12" cut-in wye. A preconstruction meeting for the project was held on January 11, 2018. On February 20, 2018, the Developer's contractor installed an 8" saddle on the existing 12" sewer main in Park Road. The contractor also started installing sewer within the site. ARRO is preparing a letter to the Authority in response to the capacity request from the Developer. ARRO is reviewing the sanitary sewer portion of a conditional use application for additional development at 160/180 Park Road. ARRO completed a review of the sanitary sewer portion of a conditional use application for additional development at 160/180 Park Road and submitted a May 28, 2019 letter to the Township. ARRO recommends an additional 8.66 EDUs of capacity should be purchased for the proposed use. ARRO prepared a July 23, 2019 comments letter to the Preliminary/Final Plans for Eagle Village Parking Expansion as prepared by DL Howell, dated July 3, 2019. An additional 8.5 EDUs need to be purchased for the proposed use and a SFPM will be required. The Board of Supervisors granted approval of the Plans at their August 19, 2019 meeting. PADEP sent an August 19, 2019 letter stating no Sewage Facilities Planning Modules are required for expansion of the 160 Park Road parking lot.

A capacity agreement for 8.5 EDUs was established. The first of six (6) capacity payments for the 8.5 EDUs (\$133,875.00 total) was made by the Developer on January 29, 2020.

**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. At the request of PADEP, on September 26, 2019 ARRO submitted to PADEP a study and \$522,000 cost opinion for potentially providing sewer service to an additional sixteen (16) lots east of the proposed Byers Road Sanitary Sewer Extension terminal manhole. PADEP responded that they will review the study information. ARRO has started preparing a sanitary sewer grant application under the Pennsylvania Department of Community & Economic Development H2O PA grant program for the Byers Road Sanitary Sewer Extension project. By letter dated November 7, 2019 PADEP issued Byers Road Sanitary Sewer Extension SFPM approval. ARRO is continuing to prepare and will submit a sanitary sewer grant application under the Pennsylvania Department of Community & Economic Development H2O PA grant program for the Byers Road Sanitary Sewer Extension project. The Byers Road grant application was submitted on December 12, 2019. Action on the application is not expected until May or June 2020.

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.

**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.

**241 Park Road LLC (McQueen)**

E. B. Walsh transmitted a September 2010 Grading and Utility Plan and a sanitary sewer Details drawing to ARRO. On October 10, 2019 E. B. Walsh informed ARRO that as yet no updated SFPM documents have been submitted for the project.

Nothing new to report.

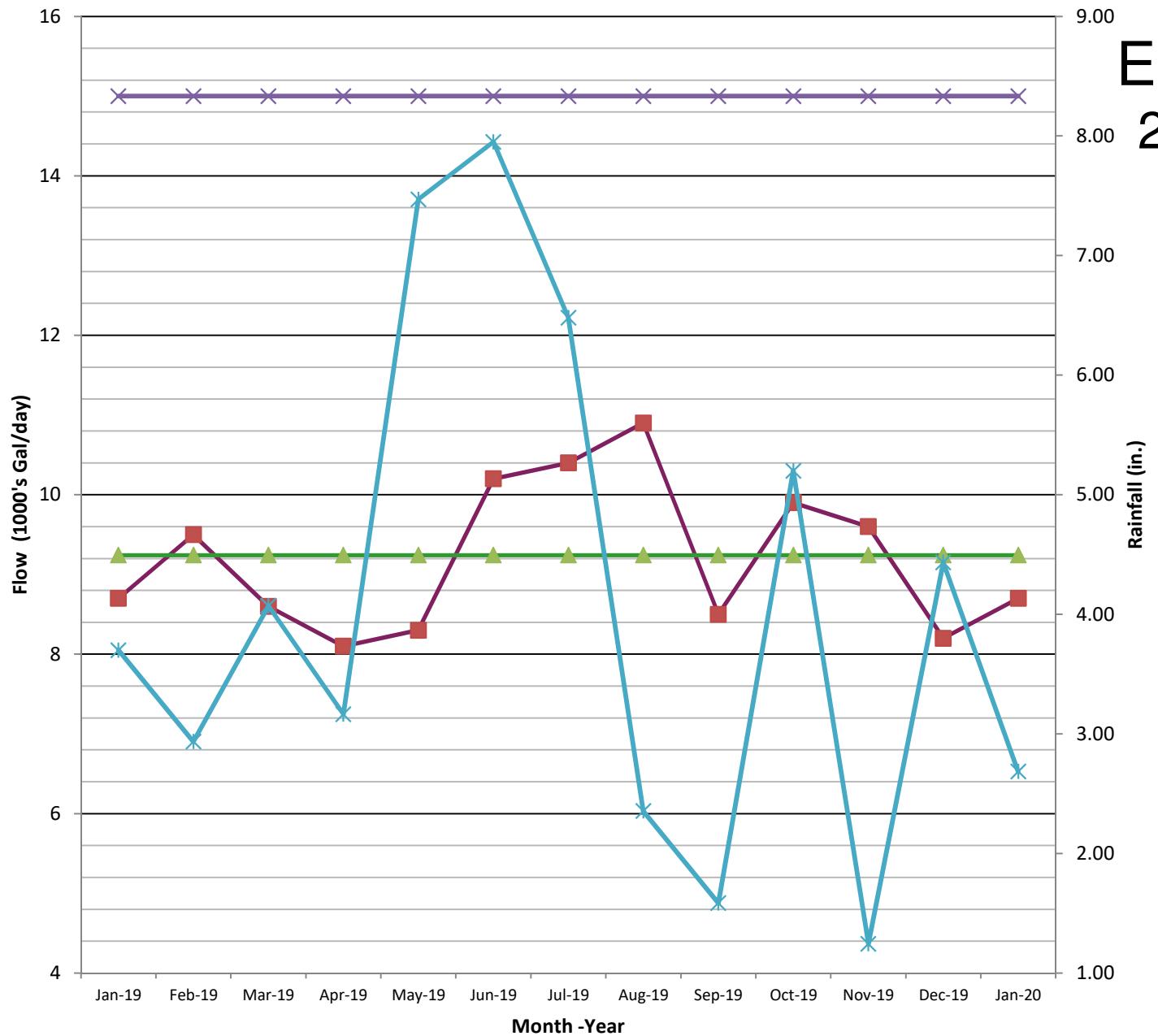
**Township Wastewater Treatment Plant's Monthly Average Flow Charts** – Please see the attached.

**UPPER UWCHLAN MUNICIPAL AUTHORITY**  
**WASTEWATER TREATMENT PLANTS**

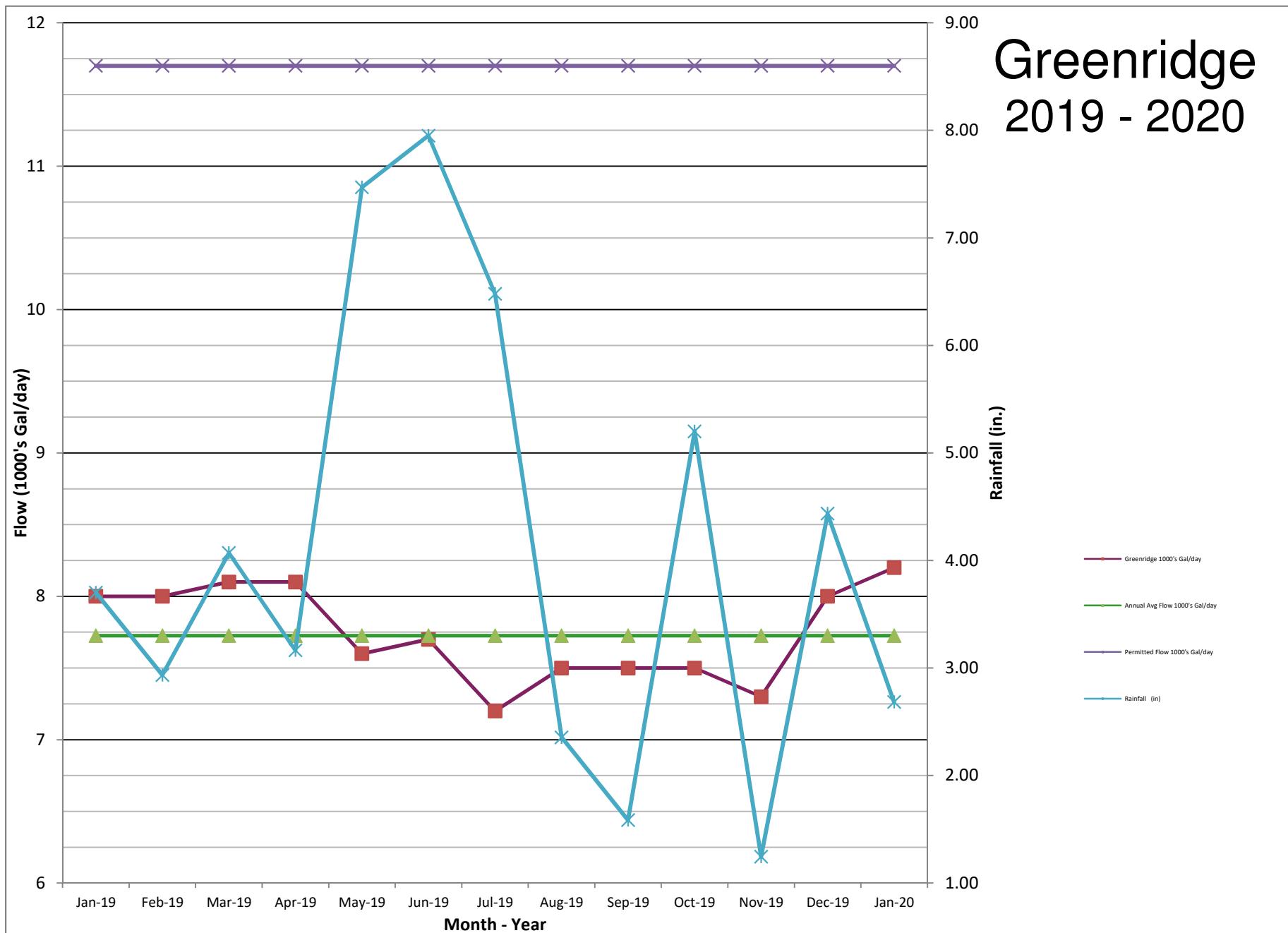
**MONTHLY AVERAGE DAILY FLOWS**

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Jan-19		0.00870	0.00800	0.03470	0.04560	0.36600	0.00760	0.00270	3.70
Feb-19		0.00950	0.00800	0.02940	0.04410	0.36780	0.00800	0.00250	2.94
Mar-19		0.00860	0.00810	0.02860	0.04420	0.38600	0.00800	0.00240	4.07
Apr-19		0.00810	0.00810	0.02670	0.04070	0.36500	0.00820	0.00260	3.17
May-19		0.00830	0.00760	0.02820	0.04250	0.35720	0.00820	0.00260	7.47
Jun-19		0.01020	0.00770	0.02310	0.03990	0.34300	0.00750	0.00200	7.95
Jul-19		0.01040	0.00720	0.02330	0.04040	0.34700	0.00790	0.00170	6.48
Aug-19		0.01090	0.00750	0.02250	0.03820	0.32830	0.00800	0.00140	2.36
Sep-19		0.00850	0.00750	0.02110	0.03630	0.33150	0.00720	0.00140	1.59
Oct-19		0.00990	0.00750	0.02120	0.03730	0.32760	0.00790	0.00250	5.20
Nov-19		0.00960	0.00730	0.02270	0.03850	0.33940	0.00790	0.00240	1.25
Dec-19		0.00820	0.00800	0.02600	0.04310	0.35160	0.00730	0.00240	4.44
Jan-20		0.00870	0.00820	0.02470	0.04180	0.35080	0.00700	0.00230	2.69
<b>Annual Avg Flow =</b>		<b>0.00924</b>	<b>0.00773</b>	<b>0.02479</b>	<b>0.04058</b>	<b>0.34960</b>	<b>0.00776</b>	<b>0.00218</b>	
<b>Permitted Flow =</b>		<b>0.01500</b>	<b>0.01170</b>	<b>0.04000</b>	<b>0.07600</b>	<b>0.60000</b>	<b>0.00920</b>	<b>0.00360</b>	

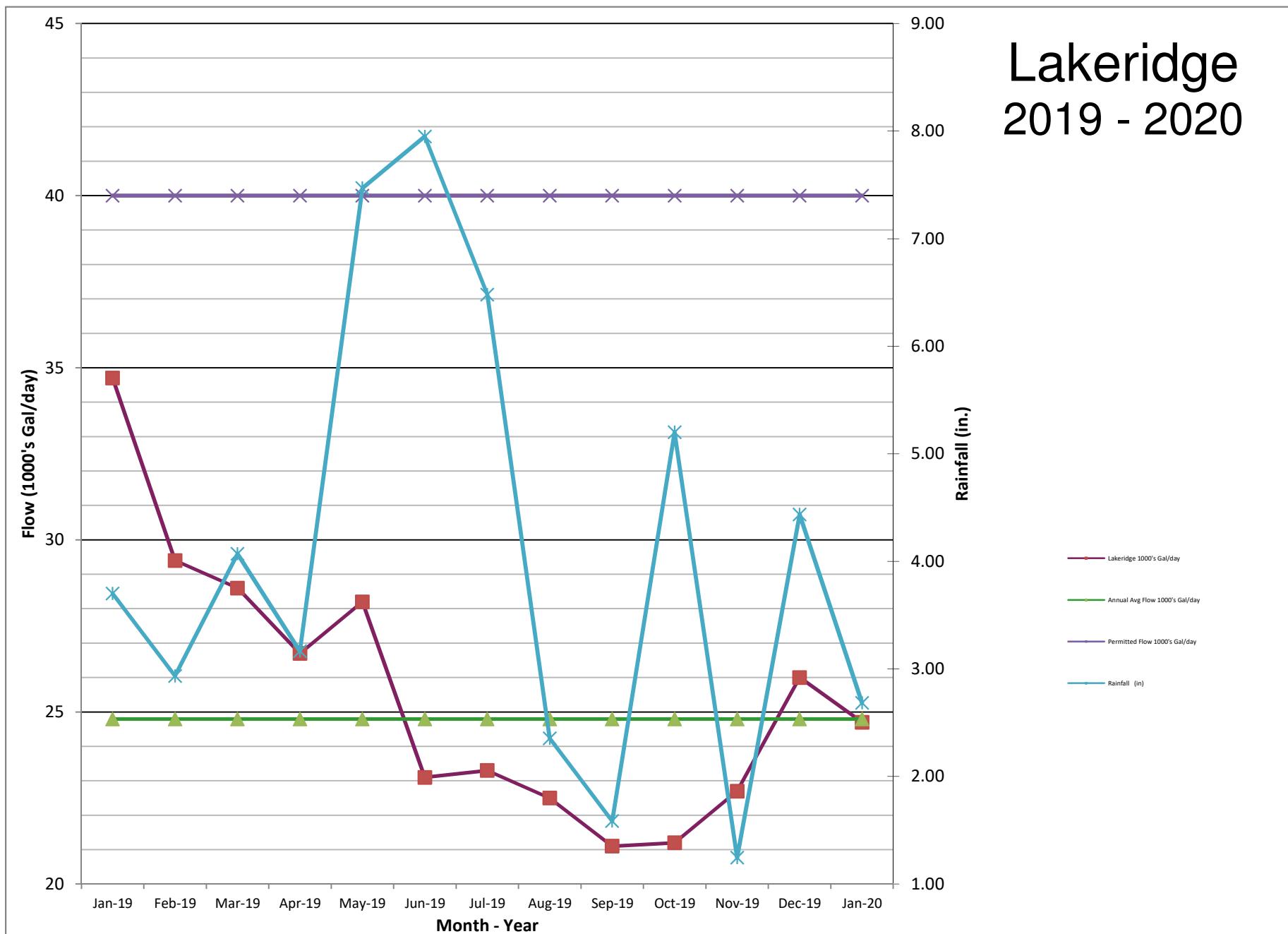
# Eaglepointe 2019 - 2020



# Greenridge 2019 - 2020

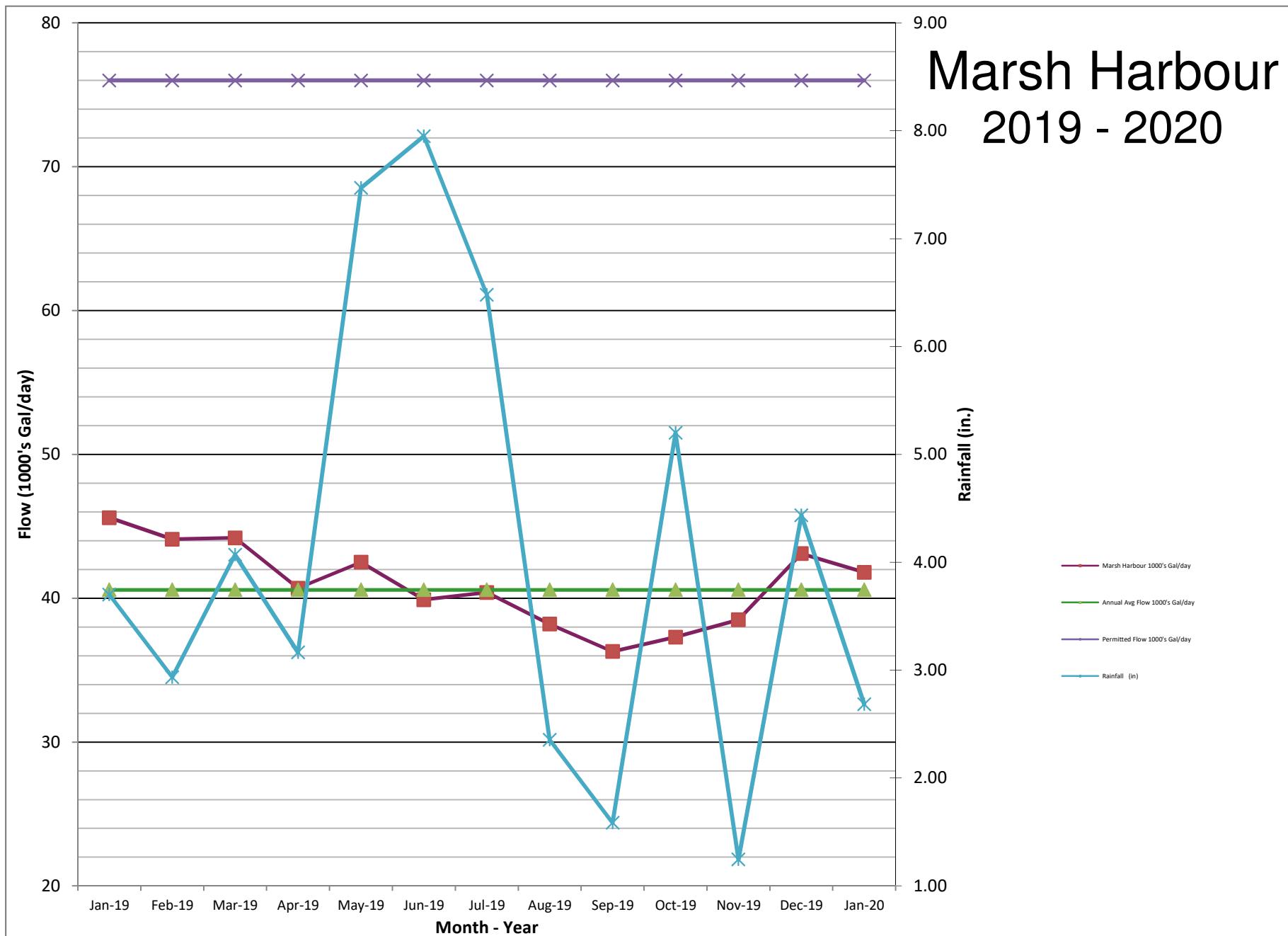


# Lakeridge 2019 - 2020



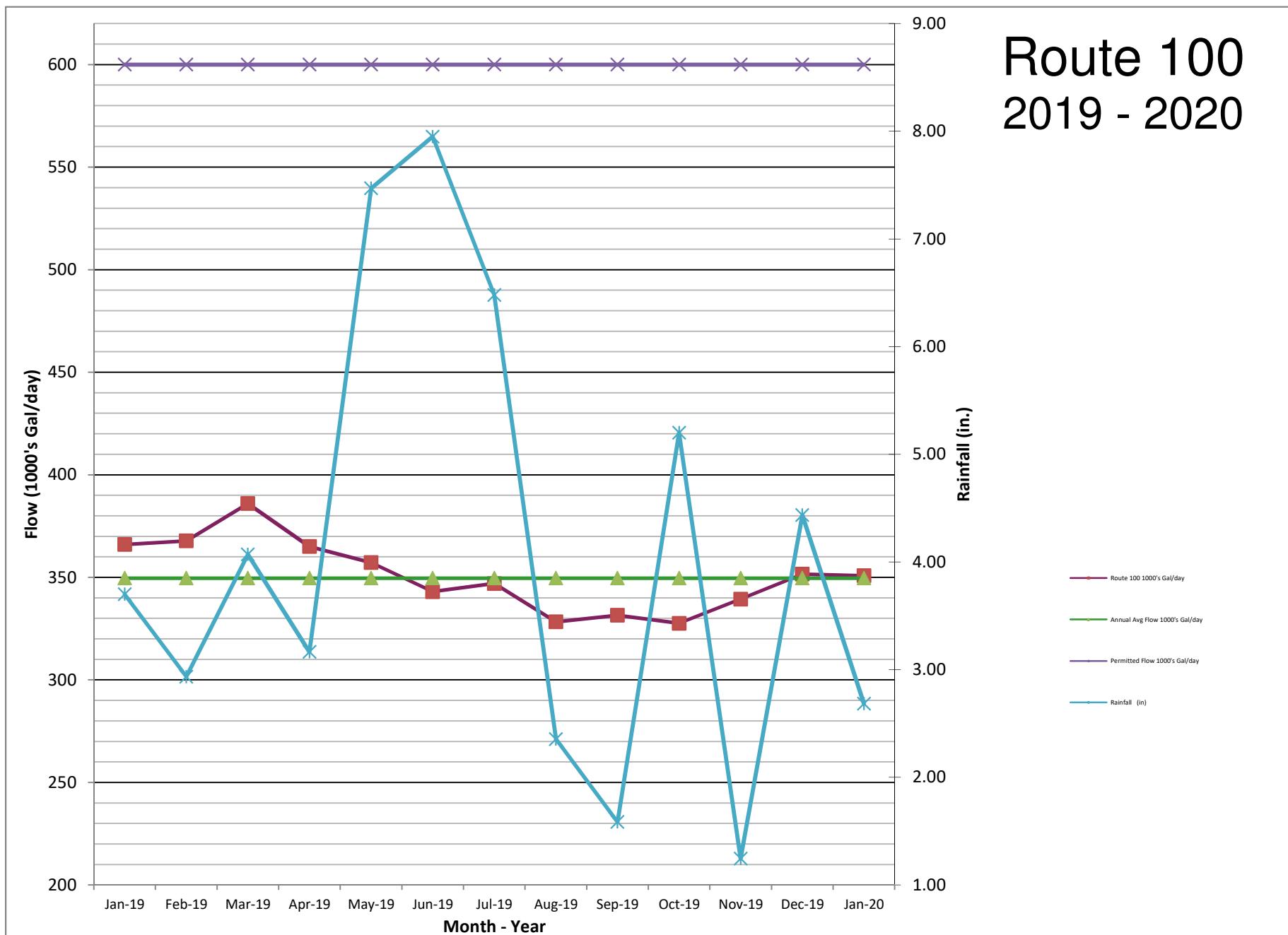
# Marsh Harbour

## 2019 - 2020

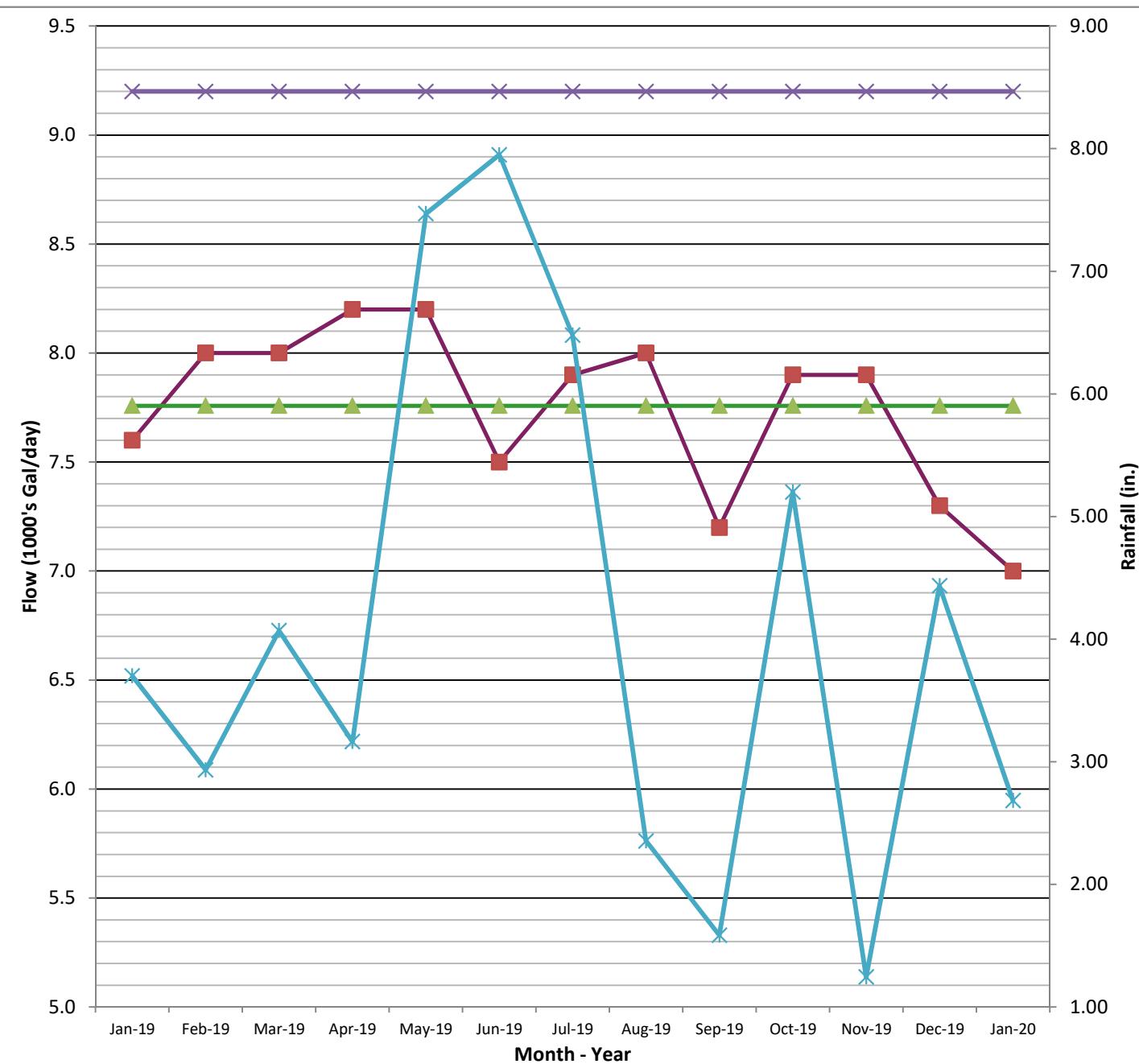


# Route 100

## 2019 - 2020

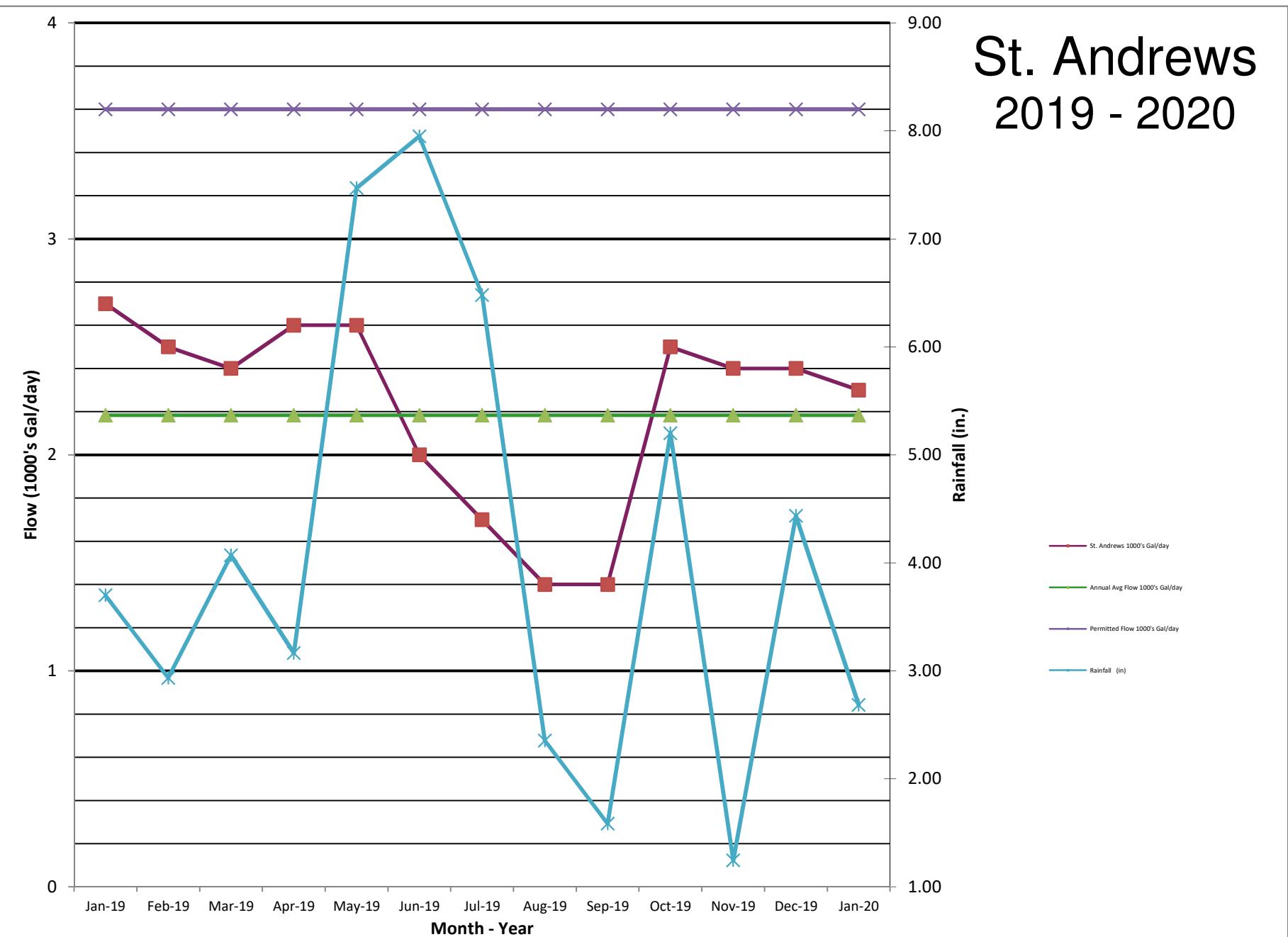


# Saybrooke 2019 - 2020



# St. Andrews

## 2019 - 2020





To: Municipal Authority Members  
From: G. Matthew Brown, P.E., DEE  
Re: Authority Administrator's Report  
Date: February 20, 2020

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 McKee regarding Phase III of the Route 100 WWTF and alternate disposal area.
- E. Communication with attorney for Randy DiLibero regarding his proposed sewer extension to the Eaglepointe WWTF and revisions to the design of the sewer line.
- F. Communication with Clean Water and ARRO regarding discharge to the Eaglepointe WWTF.
- G. Communication with the Developer and ARRO regarding the Vantage (6C) connection.
- H. Communication with ARRO and contractors regarding the Lakeridge Sludge Holding Tank Project.
- I. Communication with Clean Water and ARRO regarding implementation of 2020 budget.

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



## **JANUARY 2020 REPORT UUT MUNICIPAL AUTHORITY PUBLIC WORKS DEPARTMENT**

**The following projects are underway:**

**Ongoing:**

- We are now working on hiring the new person to replace the position of Facilities Worker with emphasis on MA. Tim Connolly has stepped up for the time being. He is doing a fine job. We have completed the final interviews and have picked a candidate. We now await the background and drug screening tests.
- Locks were spot checked at all pump stations. All have been secure.
- Spot checks continue and all visitors are still using the sign-in sheets at all properties.

**Public Works continues to work on the properties as follows:**

**Complete:**

- Rte. 100 WWTP
  - 1. Replaced trash receptacles
  - 2. General cleanup at this location
- Byers Station Effluent PS
  - 1. General cleaning of station
  - 2. Replaced 2 sections of post and rail fence. This fence is beginning to rot in many areas and should soon be replaced.
- 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**
  2. **Cleaned station**
- **Eagle Hunt**
  1. **Cleaning of this location**
  2. **Removed debris from windstorms from landscaping and wooded areas**
- **Windsor Ridge**
  1. **General cleaning**
  2. **Tim noticed a leak outside one of the building and reported it to Brian Norris.**
- **Saybrook WWTP**
  1. **General cleaning of station**
  2. **Trash removal**
  3. **Windstorm cleanup of trash and leaves blown against fencing**
- **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**
  2. **Windstorm cleanup of trash and leaves blown against fencing and around tanks.**
- **St Andrews Brae PS (at St Andrews intersection)**
  1. **There are currently no work orders for this facility.**
- **Reserve Lagoon**
  1. **Reported a tiny leak on a pump to Brian Norris.**
  2. **General cleaning of station**
- **Reserve at Eagle PS1**
  1. **General cleaning**
- **Reserve at Eagle PS 2**
  1. **General cleaning of station**
  2. **Repaired the exhaust flange for the generator**

- **Upland Farms PS/ Reserve at Waynebrook**
  - 1. There are currently no work orders for this facility.
- **Greenridge**
  - 1. General cleaning of station
  - 2. Final cleanup from the tree removal project
- **Stonehedge**
  - 1. There are currently no work orders for this facility.
- **Marsh Harbour WWTP**
  - 1. General cleaning and trash removal
  - 2. Final cleanup from the tree removal project
- **Marsh Harbour PS**
  - 1. There are no work orders for this station
- **Meadowcreek**
  - 1. There are currently work orders for this facility.
  - 2. The planting is done
- **Eaglepointe**
  - 1. Trash collection and cleaning
  - 2. The rag issue continues here. Wawa is working on a tank installation prior to entering our system.
- **Heron Hill PS**
  - 1. There are currently no work orders for this facility.
- **Lakeridge WWTP**
  - 1. General cleaning and trash removal
  - 2. Final cleanup from the tree removal project
  - 3. Tank project still underway. Mostly complete.
- **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.
  - 2. General cleaning
- **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 76 PA 1-Call tickets during the month of January.**

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



Trappe Office

350 West Main Street

Suite 200

Trappe, PA 19426

O 610-495-2103

VIA EMAIL

January 27, 2020

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. 8  
ARRO No. 10270.53

Dear Gentlemen:

On behalf of Blooming Glen Contractors, Inc. (BGC), the general contractor for the above referenced project, ARRO Consulting, Inc. is submitting the attached Change Order No. 8 for your review and execution. This change order is related to an allowance for permitting costs which were required as mandatory in the general construction bid form as Item No. 11, however, were not required as indicated in the preconstruction meeting. The change order resulted in a net deduct in the contract cost of \$7,500.00.

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

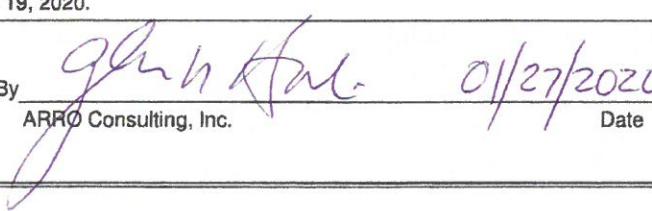
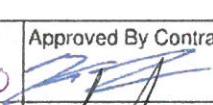
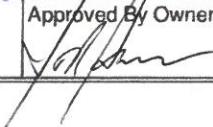
Sincerely,

*Glenn N. Holinka*

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)  
Kyle Taylor, Blooming Glen Contractors, 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)

<b>ARRO Consulting, Inc.</b> 350 West Main Street, Suite 200 Trappe, PA 19426	<b>Change Order No. 8</b>			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	(\$7,500.00)																								
<b>Owner</b> <b>Name:</b> Upper Uwchlan Municipal Authority <b>Address:</b> 140 Pottstown Pike Chester Springs, PA 19425		<b>Contract For</b> Lakeridge Wastewater Treatment Facilities Sludge Tank Replacement																									
<b>Contractor</b> <b>Name:</b> Blooming Glen Contractors, Inc. <b>Address:</b> P.O. Box 55 Skippack, PA 19474																											
<p>It is hereby agreed this 1st day of January 2020, subject to the provisions of the contract and specifications to make the following changes:</p> <table border="1"> <thead> <tr> <th>CO Item No.</th> <th>Description</th> <th>Unit</th> <th>Qty.</th> <th>Unit Price</th> <th>Addition</th> <th>Deduction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Original Bid Item No. 11, Permitting Allowance: Dollar amount allowance for permitting costs which were required as mandatory in the bid form. No permits were required as discussed in the preconstruction meeting.</td> <td>N.A.</td> <td>1.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$7,500.00</td> </tr> <tr> <td colspan="7"> <b>Totals</b> \$ 7,500.00  <b>Net Addition or Deduction this Change Order</b> (\$7,500.00)  <b>Base Contract Price</b> \$520,500.00  <b>Total Net Addition or Deduction by Previous Change Order(s)</b> \$8,459.43  <b>Total Amount of Contract Prior to this Change Order</b> \$528,959.43  <b>Net Addition or Deduction this Change Order No. 8</b> (\$7,500.00)  <b>Net Amount of Contract to Date</b> \$521,459.43 </td> </tr> </tbody> </table> <p>There will be an extension of time of zero (0) calendar days for completion. The date for final completion of this contract remains as January 19, 2020.</p>							CO Item No.	Description	Unit	Qty.	Unit Price	Addition	Deduction	1	Original Bid Item No. 11, Permitting Allowance: Dollar amount allowance for permitting costs which were required as mandatory in the bid form. No permits were required as discussed in the preconstruction meeting.	N.A.	1.00	\$0.00	\$0.00	\$7,500.00	<b>Totals</b> \$ 7,500.00 <b>Net Addition or Deduction this Change Order</b> (\$7,500.00) <b>Base Contract Price</b> \$520,500.00 <b>Total Net Addition or Deduction by Previous Change Order(s)</b> \$8,459.43 <b>Total Amount of Contract Prior to this Change Order</b> \$528,959.43 <b>Net Addition or Deduction this Change Order No. 8</b> (\$7,500.00) <b>Net Amount of Contract to Date</b> \$521,459.43						
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Prepared By  ARRO Consulting, Inc.	 01/27/2020 Date		Approved By Contractor  Date 1/27/2020																								
			Approved By Owner  Date 1/28/20																								



Trappe Office

350 West Main Street

Suite 200

Trappe, PA 19426

O 610-495-2103

VIA EMAIL

February 6, 2020

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. 9  
ARRO No. 10270.53

Dear Gentlemen:

On behalf of Blooming Glen Contractors, Inc. (BGC), the general contractor for the above referenced project, ARRO Consulting, Inc. is submitting the attached Change Order No. 9 for your review and execution. This change order is related to Bid Item Nos. 8 through 11 for quantity adjustments; miscellaneous unclassified excavation, miscellaneous aggregate fill, concrete, and rock removal. Since no quantity adjustments were required for the project, the change order resulted in a net deduct in the contract cost of \$6,660.00.

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

Sincerely,

*Glenn N. Holinka*

Glenn N. Holinka, P.E.  
Project Engineer

GNH  
Enclosures

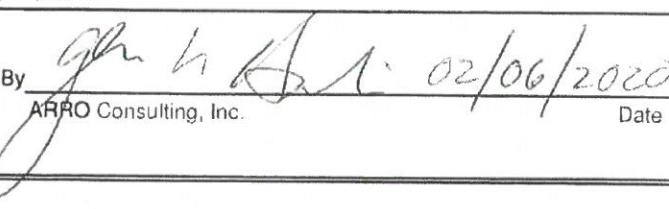
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G. Matthew Brown, P.E., DEE – ARRO (w/ encl. via email)  
Kyle Taylor, Blooming Glen Contractors, Inc. (w/ encl. via email)  
John A. Mott, P.E. – ARRO (w/ encl. via email)  
Jay R. Jackson, P.E. – ARRO (w/ encl. via email)

ARRO Consulting, Inc. 350 West Main Street, Suite 200 Trappe, PA 19426	Change Order No. 9		Contract No. LSHT - A
	Addition		Original Contract Date November 15, 2018
	Deduction	(\$6,660.00)	Base Contract Price: \$520,500.00 Engineer's Job No.: 10270.53 Owner's Job No.: N.A.
<b>Owner</b> Name: Upper Uwchlan Municipal Authority Address: 140 Pottstown Pike Chester Springs, PA 19425		<b>Contract For</b>	
<b>Contractor</b> Name: Blooming Glen Contractors, Inc. Address: P.O. Box 55 Skippack, PA 19474		Lakeridge Wastewater Treatment Facilities Sludge Tank Replacement	

It is hereby **agreed** this 6th day of February 2020, 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	Original Bid Item No. 8, Quantity Adjustments for Miscellaneous Unclassified Excavation; ARRO estimated quantity of 10 CY.	CY	10	\$94.00		\$940.00
2	Original Bid Item No. 9, Quantity Adjustments for Miscellaneous Aggregate Fill; ARRO estimated quantity of 10 CY.	CY	10	\$56.00		\$560.00
3	Original Bid Item No. 10, Quantity Adjustments for Concrete; ARRO quantity of 5 CY.	CY	5	\$434.00		\$2,170.00
4	Original Bid Item No. 11, Quantity Adjustments for Rock Removal; ARRO estimated quantity of 10 CY.	CY	10	\$299.00		\$2,990.00
<b>Totals</b>				\$	-	\$6,660.00
<b>Net Addition or Deduction this Change Order</b>						(\$6,660.00)
<b>Base Contract Price</b>						\$520,500.00
<b>Total Net Addition or Deduction by Previous Change Order(s)</b>						\$959.43
<b>Total Amount of Contract Prior to this Change Order</b>						\$521,459.43
<b>Net Addition or Deduction this Change Order No. 9</b>						(\$6,660.00)
<b>Net Amount of Contract to Date</b>						\$514,799.43

There will be an extension of time of zero (0) calendar days for completion. The date for final completion of this contract remains as January 19, 2020.

Prepared By	 02/06/2020	Approved By Contractor
ARRO Consulting, Inc.	Date	Approved By Owner