



## AGENDA

June 23, 2020  
7:30 PM

### LOCATION:

This meeting will be held **virtually**. Any member of the public interested in participating in the meeting should email the Township at [gjonik@upperuwchlan-pa.gov](mailto:gjonik@upperuwchlan-pa.gov) for a link and a password to join in the meeting. In order to minimize public exposure to COVID-19 and maintain social distancing, the meeting will be conducted via webinar. No attendance in-person will be allowed. If you require special accommodation, please call the Township office at 610-458-9400.

		Packet Page #
I.	Call to Order	
II.	Approval of Minutes: May 26, 2020	2
III.	Approval of Payments: June 2020	
IV.	Authority Administration Reports	
	A. Clean Water, Inc. Monthly Report	10
	B. ARRO Consulting Monthly Report	12
	C. Authority Administrator's Report	36
	D. Public Works Department Report	37
V.	Open Session	
VI.	Next Meeting Date: July 28, 2020 ~ 7:30 p.m. Location: Will be announced on the website	
VII.	Adjournment	



## MEETING MINUTES

May 26, 2020

7:30 PM

**DRAFT**

In attendance via video teleconference: H. Harper, Chairman, D. Carlson, Member, L. Schack, Member, B. Watts, Member, Tony Scheivert, Township Manager, G. Matthew Brown, P.E., DEE, Authority Administrator and David Schlott, Jr, P.E., ARRO Consulting, Inc.

### Call to Order

H. Harper, Chairman, called the meeting to order at 7:30 PM.

### Approval of Minutes

Draft minutes of the April 28, 2020 meeting were presented. After a brief discussion and questions, D. Carlson made a motion to approve the minutes as submitted. B. Watts seconded. It was so moved.

### Approval of Payments

Following a discussion and questions, a motion was made by D. Carlson to approve the payments for May 2020. B. Watts seconded. It was so moved. Again, after a brief discussion of the balance sheet and the statement of revenue and expenses, D. Carlson moved to accept the financial reports submitted in good faith by the Township Treasurer for May 2020. L. Schack seconded. It was so moved.

### Authority Administration Reports

M. Brown noted that all facilities were operating well and within permit. M. Brown provided an update on the sheriff sales of the two properties at the request of the Board. One went to sale; the other was "saved" with a last-minute payment by the owner of the principle of the outstanding fees and a promise to pay the penalties. M. Brown provided a briefing of the Sunoco pipeline and potential for sewerage more homes in the Meadow Creek development (High Meadow) relative to the submission to PADEP and completion of the planning phase.

T. Scheivert noted the new Township building construction should be available for the June meeting.

M. Brown discussed the Maintenance Bond and Agreement for the Reserve at Chester Springs and noted the Authority needed to approve it and authorize the Chairman to execute it prior to the June Board of Supervisors meeting. After a brief discussion, D. Carlson moved, seconded by L. Schack to approve the Agreement and authorize the Chairman to execute. It was so moved.

M. Brown noted the scheduled paving work of the Public Works Department would impact approximately 64 manholes in the Township. Risers would need to be purchased and installed for each of the manholes. The cost would be approximately \$11,800. M. Brown noted there was money available in the miscellaneous capital fund under the current budget. D. Carlson moved, seconded by B. Watts to purchase the necessary risers.

Following a question on the Clean Water report concerning the use of garbage disposals, the Authority discussed notifying homeowners once again to not use them. T. Scheivert suggested putting the notification on the Township website and social media pages and asked M. Brown to provide the necessary language to the Township for posting. M. Brown noted he would and would also talk to the finance staff to put a notification in with the next billing. The consensus of the Authority was that both should be done.

Following several additional questions and a brief discussion, D. Carlson moved to accept the Reports as submitted. L. Schack seconded. It was so moved.

Open Session

No members of the public joined the meeting.

**Next Meeting Date: June 23, 2020 - 7:30 PM**

H. Harper noted the date, time and with the location to be determined (new Township building or virtual) of the next meeting of the Authority.

Adjournment

There being no further business to be brought before the Authority, D. Carlson moved, seconded by B. Watts to adjourn the meeting at 8:14 PM.

Respectfully submitted,

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

June 22, 2020  
09:51 AM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2211 to 2231  
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
2211	06/23/20	ALSGROUP ALS GROUP USA, CORP	1,795.60	2231
2212	06/23/20	AQUAP010 AQUA PA	1,096.06	2231
2213	06/23/20	ARROC010 ARRO CONSULTING, INC.	64,068.73	2231
2214	06/23/20	BARBA010 BARBACANE THORNTON & COMPANY	475.00	2231
2215	06/23/20	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	790.55	2231
2216	06/23/20	CLEANWAT CLEAN WATER, INC.	6,455.00	2231
2217	06/23/20	COLON010 COLONIAL ELECTRIC SUPPLY CO.,	428.67	2231
2218	06/23/20	DECKM010 DECKMAN MOTOR & PUMP, INC	829.00	2231
2219	06/23/20	EDMUN010 EDMUNDS GOVTECH	2,337.82	2231
2220	06/23/20	INKS0010 INK'S DISPOSAL SERVICE, INC.	695.00	2231
2221	06/23/20	JCEHRLIC J. C. EHRLICH CO., INC.	490.00	2231
2222	06/23/20	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	5,778.00	2231
2223	06/23/20	MCI00001 MCI COMM SERVICE	34.53	2231
2224	06/23/20	MGL00010 MGL PRINTING SOLUTIONS	98.00	2231
2225	06/23/20	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,298.50	2231
2226	06/23/20	MSSER040 M & S SERVICE COMPANY, INC.	18,513.00	2231
2227	06/23/20	PEC00010 PECO ENERGY	16,766.62	2231
2228	06/23/20	PENNS080 PENNSYLVANIA ONE CALL	184.71	2231
2229	06/23/20	PIKEL020 PIKELAND CONSTRUCTION	17,380.00	2231
2230	06/23/20	UNIVA010 UNIVAR USA INC	3,782.95	2231
2231	06/23/20	VERIZFIO VERIZON	995.04	2231

Report Totals	Paid	Void	Amount Paid	Amount Void
Checks:	21	0	144,292.78	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	21	0	144,292.78	0.00

June 22, 2020  
09:50 AM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 1

Batch Id: LHAINES Batch Type: C Batch Date: 06/23/20 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 Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
	06/23/20	ALSGROUP	ALS GROUP USA, CORP		P.O. BOX 975444					
20-00729	06/23/20	1	greenridge	471.90	06-420-000-030	Testing	Expenditure	Aprv	29	1
20-00729	06/23/20	2	lakeridge	453.90	06-420-000-030	Testing	Expenditure	Aprv	30	1
20-00729	06/23/20	3	ewing tract	553.20	06-420-000-030	Testing	Expenditure	Aprv	31	1
20-00729	06/23/20	4	route 100	158.30	06-420-000-030	Testing	Expenditure	Aprv	32	1
20-00729	06/23/20	5	route 100	158.30	06-420-000-030	Testing	Expenditure	Aprv	33	1
				1,795.60						
	06/23/20	AQUAP010	AQUA PA		PO BOX 70279					
20-00727	06/23/20	1	119 prescott drive	18.00	06-409-000-037	Water	Expenditure	Aprv	1	1
20-00727	06/23/20	2	439 prescott drive	18.00	06-409-000-037	Water	Expenditure	Aprv	2	1
20-00727	06/23/20	3	308 flagstone road	18.00	06-409-000-037	Water	Expenditure	Aprv	3	1
20-00727	06/23/20	4	1 prospect hill blvd	53.69	06-409-000-037	Water	Expenditure	Aprv	4	1
20-00727	06/23/20	5	meadow creek lane	18.00	06-409-000-037	Water	Expenditure	Aprv	5	1
20-00727	06/23/20	6	100 prescott drive	18.00	06-409-000-037	Water	Expenditure	Aprv	6	1
20-00727	06/23/20	7	29 yarmouth lane	23.95	06-409-000-037	Water	Expenditure	Aprv	7	1
20-00727	06/23/20	8	241 fellowship road	18.00	06-409-000-037	Water	Expenditure	Aprv	8	1
20-00727	06/23/20	9	658 collingwood terrace	59.64	06-409-000-037	Water	Expenditure	Aprv	9	1
20-00727	06/23/20	10	325 fellowship road	667.82	06-409-000-037	Water	Expenditure	Aprv	10	1
20-00727	06/23/20	11	425 hemlock lane	52.50	06-409-000-037	Water	Expenditure	Aprv	11	1
20-00727	06/23/20	12	2680 primrose court	18.00	06-409-000-037	Water	Expenditure	Aprv	12	1
20-00727	06/23/20	13	1120 sunderland ave	18.00	06-409-000-037	Water	Expenditure	Aprv	13	1
20-00727	06/23/20	14	111 dorothy lane	18.00	06-409-000-037	Water	Expenditure	Aprv	14	1
20-00727	06/23/20	15	381 lcr	18.00	06-409-000-037	Water	Expenditure	Aprv	15	1
20-00727	06/23/20	16	528 walter court	58.46	06-409-000-037	Water	Expenditure	Aprv	16	1
				1,096.06						

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description	Charge Account Description					
20-00728	06/23/20	1 project 17000.01 general admin	885.20	06-408-000-000 Engineering Fees	Expenditure	Aprv	17	1
20-00728	06/23/20	2 project 17000.00 consulting	989.08	06-408-000-000 Engineering Fees	Expenditure	Aprv	18	1
20-00728	06/23/20	3 project 9310.32 ww admin	9,932.75	06-400-000-002 Authority Administrator	Expenditure	Aprv	19	1
20-00728	06/23/20	4 project 10270.48 byers road	1,665.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	20	1
20-00728	06/23/20	5 project 10270.53 lakeridge	270.50	06-408-000-000 Engineering Fees	Expenditure	Aprv	21	1
20-00728	06/23/20	6 project 10270.56 rt 100 map	1,339.50	06-408-000-000 Engineering Fees	Expenditure	Aprv	22	1
20-00728	06/23/20	7 project 10270.58 alt energy	916.50	06-408-000-000 Engineering Fees	Expenditure	Aprv	23	1
20-00728	06/23/20	8 project 10270.64 milford farms	11,546.15	06-408-000-000 Engineering Fees	Expenditure	Aprv	24	1
20-00728	06/23/20	9 project 10270.71 act 537	1,525.25	06-408-000-000 Engineering Fees	Expenditure	Aprv	25	1
20-00728	06/23/20	10 project 10270.72 meadow creek	29,307.80	06-408-000-000 Engineering Fees	Expenditure	Aprv	26	1
20-00728	06/23/20	11 project 10270.73 eaglepointe	4,639.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	27	1
20-00728	06/23/20	12 project 10270.74 wqm permit	1,050.50	06-408-000-000 Engineering Fees	Expenditure	Aprv	28	1
			64,068.73					
20-00730	06/23/20	06/23/20 BARBA010 BARBACANE THORNTON & COMPANY	475.00	200 SPRINGER BUILDING				
		1 2019 end fo f year audit		06-402-000-450	Expenditure	Aprv	34	1
			475.00	Audit Fees				
20-00731	06/23/20	06/23/20 BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	790.55	118 W. MARKET STREET				
		1 may - sewer collections		06-404-000-000	Expenditure	Aprv	35	1
			790.55	Legal Fees				
20-00732	06/23/20	06/23/20 CLEANWAT CLEAN WATER, INC.	6,455.00	170 DALLAS STREET				
		1 monthly plant operations		06-420-000-045	Expenditure	Aprv	36	1
			6,455.00	Contracted Services				
20-00733	06/23/20	06/23/20 COLON010 COLONIAL ELECTRIC SUPPLY CO.,	153.84	201 W. CHURCH ROAD				
		1 ma - 1amp		06-420-000-020	Expenditure	Aprv	37	1
			153.84	Supplies				
20-00733	06/23/20	2 ma - photo control/button	65.32	06-420-000-020	Expenditure	Aprv	38	1
			65.32	Supplies				
20-00733	06/23/20	3 ma - lights	64.13	06-420-000-020	Expenditure	Aprv	39	1
			64.13	Supplies				
20-00733	06/23/20	4 ma - lights	145.38	06-420-000-020	Expenditure	Aprv	40	1
			145.38	Supplies				
			428.67					

June 22, 2020  
09:50 AM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 3

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																																																																																																																																																												
20-00734	06/23/20	DECKM010	DECKMAN MOTOR & PUMP, INC	409.00	49 W. FRONT STREET	06-420-000-025	Expenditure	Aprv	41	1																																																																																																																																																					
	06/23/20	1	rebuilt - goulds pump		Maintenance & Repair	06-420-000-025																																																																																																																																																									
20-00734	06/23/20	2	inspection - fairbanks pump	420.00	Maintenance & Repair	06-420-000-025	Expenditure	Aprv	42	1																																																																																																																																																					
				829.00																																																																																																																																																											
20-00735	06/23/20	EDMUN010	EDMUND'S GOVTECH	2,337.82	301 TILTON ROAD	06-406-000-100	Expenditure	Aprv	43	1																																																																																																																																																					
	06/23/20	1	prep and print q2 sewer bills		Utility Billing Costs	2,337.82																																																																																																																																																									
20-00737	06/23/20	INKS0010	INK'S DISPOSAL SERVICE, INC.	695.00	564 NORTH MANOR ROAD	06-420-000-025	Expenditure	Aprv	45	1																																																																																																																																																					
	06/23/20	1	dorian, greenridge, st.andrews		Maintenance & Repair	695.00																																																																																																																																																									
20-00736	06/23/20	JCEHRLIC	J. C. EHRLICH CO., INC.	490.00	PO BOX 13848	06-420-000-032	Expenditure	Aprv	44	1																																																																																																																																																					
	06/23/20	1	lagoon @ marsh harbor		Vegetation Management	490.00																																																																																																																																																									
20-00741	06/23/20	MCGOV020	MCGOVERN ENVIRONMENTAL, LLC	77.63	920 SOUTH BOLMAR STREET	06-420-000-031	Expenditure	Aprv	50	1																																																																																																																																																					
	06/23/20	1	route 100 regional ww		Pump & Haul	06-420-000-031																																																																																																																																																									
20-00741	06/23/20	2	route 100 regional ww	1,021.11	Expenditure	06-420-000-031	Aprv	51	1		06/23/20	3	route 100 regional ww		Pump & Haul	06-420-000-031					20-00741	06/23/20	4	route 100 regional ww	77.63	Expenditure	06-420-000-031	Aprv	52	1		06/23/20	5	eaglepointe		Pump & Haul	06-420-000-031					20-00741	06/23/20	6	eaglepointe	219.94	Expenditure	06-420-000-031	Aprv	54	1		06/23/20	7	lakeridge		Pump & Haul	06-420-000-031					20-00741	06/23/20	8	marsh harbor, larkins bridge	1,317.04	Expenditure	06-420-000-031	Aprv	56	1		06/23/20	9	windsor ridge		Pump & Haul	06-420-000-031									1,271.76	Expenditure	06-420-000-031	Aprv	58	1						Pump & Haul	06-420-000-031									5,778.00							20-00738	06/23/20	MCI00001	MCI COMM SERVICE	34.53	PO BOX 15043	06-409-000-032	Expenditure	Aprv	46	1		06/23/20	1	telephone		Telephone	34.53					20-00739	06/23/20	MGL00010	MGL PRINTING SOLUTIONS	98.00	154 South Street	06-420-000-020	Expenditure	Aprv	47	1		06/23/20	1	authority envelopes		Supplies	98.00				
	06/23/20	3	route 100 regional ww		Pump & Haul	06-420-000-031																																																																																																																																																									
20-00741	06/23/20	4	route 100 regional ww	77.63	Expenditure	06-420-000-031	Aprv	52	1		06/23/20	5	eaglepointe		Pump & Haul	06-420-000-031					20-00741	06/23/20	6	eaglepointe	219.94	Expenditure	06-420-000-031	Aprv	54	1		06/23/20	7	lakeridge		Pump & Haul	06-420-000-031					20-00741	06/23/20	8	marsh harbor, larkins bridge	1,317.04	Expenditure	06-420-000-031	Aprv	56	1		06/23/20	9	windsor ridge		Pump & Haul	06-420-000-031									1,271.76	Expenditure	06-420-000-031	Aprv	58	1						Pump & Haul	06-420-000-031									5,778.00							20-00738	06/23/20	MCI00001	MCI COMM SERVICE	34.53	PO BOX 15043	06-409-000-032	Expenditure	Aprv	46	1		06/23/20	1	telephone		Telephone	34.53					20-00739	06/23/20	MGL00010	MGL PRINTING SOLUTIONS	98.00	154 South Street	06-420-000-020	Expenditure	Aprv	47	1		06/23/20	1	authority envelopes		Supplies	98.00																									
	06/23/20	5	eaglepointe		Pump & Haul	06-420-000-031																																																																																																																																																									
20-00741	06/23/20	6	eaglepointe	219.94	Expenditure	06-420-000-031	Aprv	54	1		06/23/20	7	lakeridge		Pump & Haul	06-420-000-031					20-00741	06/23/20	8	marsh harbor, larkins bridge	1,317.04	Expenditure	06-420-000-031	Aprv	56	1		06/23/20	9	windsor ridge		Pump & Haul	06-420-000-031									1,271.76	Expenditure	06-420-000-031	Aprv	58	1						Pump & Haul	06-420-000-031									5,778.00							20-00738	06/23/20	MCI00001	MCI COMM SERVICE	34.53	PO BOX 15043	06-409-000-032	Expenditure	Aprv	46	1		06/23/20	1	telephone		Telephone	34.53					20-00739	06/23/20	MGL00010	MGL PRINTING SOLUTIONS	98.00	154 South Street	06-420-000-020	Expenditure	Aprv	47	1		06/23/20	1	authority envelopes		Supplies	98.00																																														
	06/23/20	7	lakeridge		Pump & Haul	06-420-000-031																																																																																																																																																									
20-00741	06/23/20	8	marsh harbor, larkins bridge	1,317.04	Expenditure	06-420-000-031	Aprv	56	1		06/23/20	9	windsor ridge		Pump & Haul	06-420-000-031									1,271.76	Expenditure	06-420-000-031	Aprv	58	1						Pump & Haul	06-420-000-031									5,778.00							20-00738	06/23/20	MCI00001	MCI COMM SERVICE	34.53	PO BOX 15043	06-409-000-032	Expenditure	Aprv	46	1		06/23/20	1	telephone		Telephone	34.53					20-00739	06/23/20	MGL00010	MGL PRINTING SOLUTIONS	98.00	154 South Street	06-420-000-020	Expenditure	Aprv	47	1		06/23/20	1	authority envelopes		Supplies	98.00																																																																			
	06/23/20	9	windsor ridge		Pump & Haul	06-420-000-031																																																																																																																																																									
				1,271.76	Expenditure	06-420-000-031	Aprv	58	1						Pump & Haul	06-420-000-031									5,778.00							20-00738	06/23/20	MCI00001	MCI COMM SERVICE	34.53	PO BOX 15043	06-409-000-032	Expenditure	Aprv	46	1		06/23/20	1	telephone		Telephone	34.53					20-00739	06/23/20	MGL00010	MGL PRINTING SOLUTIONS	98.00	154 South Street	06-420-000-020	Expenditure	Aprv	47	1		06/23/20	1	authority envelopes		Supplies	98.00																																																																																								
					Pump & Haul	06-420-000-031																																																																																																																																																									
				5,778.00																																																																																																																																																											
20-00738	06/23/20	MCI00001	MCI COMM SERVICE	34.53	PO BOX 15043	06-409-000-032	Expenditure	Aprv	46	1																																																																																																																																																					
	06/23/20	1	telephone		Telephone	34.53																																																																																																																																																									
20-00739	06/23/20	MGL00010	MGL PRINTING SOLUTIONS	98.00	154 South Street	06-420-000-020	Expenditure	Aprv	47	1																																																																																																																																																					
	06/23/20	1	authority envelopes		Supplies	98.00																																																																																																																																																									

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
20-00742	06/23/20	1	MJREIDER M. J. REIDER ASSOCIATES, INC.	77.00	107 ANGELICA STREET	06-420-000-030	Expenditure	Aprv	59	1
			saybrooke		Testing	06-420-000-030	Expenditure	Aprv	60	1
20-00742	06/23/20	2	st. andrews	150.50	Testing	06-420-000-030	Expenditure	Aprv	61	1
20-00742	06/23/20	3	greenridge	77.00	Testing	06-420-000-030	Expenditure	Aprv	62	1
20-00742	06/23/20	4	marsh harbor	122.50	Testing	06-420-000-030	Expenditure	Aprv	63	1
20-00742	06/23/20	5	lakeridge	122.50	Testing	06-420-000-030	Expenditure	Aprv	64	1
20-00742	06/23/20	6	st. andrews	77.00	Testing	06-420-000-030	Expenditure	Aprv	65	1
20-00742	06/23/20	7	eaglepointe	150.50	Testing	06-420-000-030	Expenditure	Aprv	66	1
20-00742	06/23/20	8	reserve,eagle hunt,byers,ewing	56.00	Testing	06-420-000-030	Expenditure	Aprv	67	1
20-00742	06/23/20	9	saybrooke	42.00	Testing	06-420-000-030	Expenditure	Aprv	68	1
20-00742	06/23/20	10	saybrooke	31.50	Testing	06-420-000-030	Expenditure	Aprv	69	1
20-00742	06/23/20	11	greenridge	31.50	Testing	06-420-000-030	Expenditure	Aprv	70	1
20-00742	06/23/20	12	rt 100 wwt	108.50	Testing	06-420-000-030	Expenditure	Aprv	71	1
20-00742	06/23/20	13	rt 100 wwt	24.50	Testing	06-420-000-030	Expenditure	Aprv	72	1
20-00742	06/23/20	14	saybrooke	77.00	Testing	06-420-000-030	Expenditure	Aprv	73	1
20-00742	06/23/20	15	st. andrews	150.50	Testing	06-420-000-030	Expenditure	Aprv	74	1
				1,298.50						
20-00740	06/23/20	1	MSSER040 M & S SERVICE COMPANY, INC.	225.00	1220 VALLEY FORGE ROAD #16	06-420-000-025	Expenditure	Aprv	48	1
			marsh harbor wwt service		Maintenance & Repair	06-420-000-025	Expenditure	Aprv	49	1
20-00740	06/23/20	2	ewing tract wwt service	18,288.00	Maintenance & Repair	06-420-000-025	Expenditure	Aprv	50	1
				18,513.00						
20-00743	06/23/20	1	PEC00010 PECO ENERGY	138.36	SUMMARY BILL PROCESSING CENTER	06-409-000-036	Expenditure	Aprv	74	1
			304 fellowship road		Electric	06-409-000-036	Expenditure	Aprv	75	1
20-00743	06/23/20	2	2500 eagle farms road	758.69	Electric	06-409-000-036	Expenditure	Aprv	76	1
20-00743	06/23/20	3	seabury lane	31.68	Electric	06-409-000-036	Expenditure	Aprv	77	1
20-00743	06/23/20	4	primrose court	1,045.41	Electric	06-409-000-036	Expenditure	Aprv	78	1
20-00743	06/23/20	5	100a prescott drive	355.23	Electric	06-409-000-036	Expenditure	Aprv	79	1

June 22, 2020  
09:50 AM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 5

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								
20-00743	06/23/20	6	meadow creek lane	16.02	06-409-000-036	Electric	Expenditure	Aprv	79	1
20-00743	06/23/20	7	301 pottstown pike	159.56	06-409-000-036	Electric	Expenditure	Aprv	80	1
20-00743	06/23/20	8	kristines/milford way	106.21	06-409-000-036	Electric	Expenditure	Aprv	81	1
20-00743	06/23/20	9	711 dorian road	300.27	06-409-000-036	Electric	Expenditure	Aprv	82	1
20-00743	06/23/20	10	111 dorothy lane	78.67	06-409-000-036	Electric	Expenditure	Aprv	83	1
20-00743	06/23/20	11	dorlan drive	1,658.43	06-409-000-036	Electric	Expenditure	Aprv	84	1
20-00743	06/23/20	12	381 lcr	188.34	06-409-000-036	Electric	Expenditure	Aprv	85	1
20-00743	06/23/20	13	milford road	28.58	06-409-000-036	Electric	Expenditure	Aprv	86	1
20-00743	06/23/20	14	st. andrews road	38.36	06-409-000-036	Electric	Expenditure	Aprv	87	1
20-00743	06/23/20	15	park road	1,847.94	06-409-000-036	Electric	Expenditure	Aprv	88	1
20-00743	06/23/20	16	55 pottstown pike	572.57	06-409-000-036	Electric	Expenditure	Aprv	89	1
20-00743	06/23/20	17	yarmouth lane	378.94	06-409-000-036	Electric	Expenditure	Aprv	90	1
20-00743	06/23/20	18	sunderland ave	1,410.38	06-409-000-036	Electric	Expenditure	Aprv	91	1
20-00743	06/23/20	19	kiloran wynd	234.32	06-409-000-036	Electric	Expenditure	Aprv	92	1
20-00743	06/23/20	20	flagstone road	707.78	06-409-000-036	Electric	Expenditure	Aprv	93	1
20-00743	06/23/20	21	yarmouth lane	36.64	06-409-000-036	Electric	Expenditure	Aprv	94	1
20-00743	06/23/20	22	140 pottstown pike	157.86	06-409-000-036	Electric	Expenditure	Aprv	95	1
20-00743	06/23/20	23	275 fellowship road	5,457.56	06-409-000-036	Electric	Expenditure	Aprv	96	1
20-00743	06/23/20	24	heron hill drive	104.06	06-409-000-036	Electric	Expenditure	Aprv	97	1
20-00743	06/23/20	25	indian springs drive	97.28	06-409-000-036	Electric	Expenditure	Aprv	98	1
20-00743	06/23/20	26	yarmouth lane	152.70	06-409-000-036	Electric	Expenditure	Aprv	99	1
20-00743	06/23/20	27	hemlock lane	115.76	06-409-000-036	Electric	Expenditure	Aprv	100	1
20-00743	06/23/20	28	fellowship road	589.02	06-409-000-036	Electric	Expenditure	Aprv	101	1
				16,766.62						

06/23/20 PENNS080 PENNSYLVANIA ONE CALL  
20-00744 06/23/20 1 may - pa one call

P. O. BOX 640407  
06-420-000-329  
PA One Call  
184.71  
184.71

June 22, 2020  
09:50 AM

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	Account Type	Status	Seq	Acct Description
20-00745	06/23/20	PIKEL020	PIKELAND CONSTRUCTION		PO BOX 687					
			1 ewing spray field repair work	17,380.00	06-420-000-045	Expenditure	Aprv	103	1	Contracted Services
				17,380.00						
20-00746	06/23/20	UNIVA010	UNIVAR USA INC		13009 COLLECTIONS CTR DRIVE					
			1 chemicals	2,143.00	06-420-000-022	Expenditure	Aprv	104	1	Chemicals
20-00746	06/23/20		2 chemicals	1,639.95	06-420-000-022	Expenditure	Aprv	105	1	Chemicals
				3,782.95						
20-00747	06/23/20	VERIZF10	VERIZON		PO BOX 15124					
			1 June - telephone	995.04	06-409-000-032	Expenditure	Aprv	106	1	Telephone
				995.04						

Checks: Count 21 Line Items 106 Amount 144,292.78

There are NO errors or warnings in this listing.

Upper Uwchlan Township Municipal Authority  
Sewer Billings

4

*Month to Month Change in Receivables and Collections*

	May 2020	April 2020	Change
Beginning Receivable Balance	236,887.38	236,887.38	-
<u>Billings:</u>			
Calculated charges billed	1,134,792.71	1,133,172.55	1,620.16
Billing adjustments			-
Late payment penalty	26,984.07	26,984.07	-
Adjustments	(1,130.75)	(858.85)	(271.90)
	1,397,533.41	1,396,185.15	1,348.26
<u>Less:</u>			
Collections*	977,188.45	629,016.42	(348,172.03)
Receivable balance, month end	420,344.96	767,168.73	349,520.29

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

Upper Uwchlan Township Municipal Authority  
Sewer Billings

5

*Month to Month Change in Delinquent Accounts*

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

	5/31/2019	12/31/2019	1/31/2020	2/29/2020	3/31/2020	4/30/2020	5/31/2020
Number of delinquent accounts	176	125	105	172	134	291	99
Total delinquent balance	\$ 221,151	\$ 172,046	\$ 156,809	\$ 191,914	\$ 187,096	\$ 266,648	\$ 161,092

**2020 Payment Schedule**

Bills Mailed   Payment Due

First quarter	1/31/2020	3/2/2020
Second quarter	4/30/2020	5/31/2020
Third quarter	7/31/2020	8/31/2020
Fourth quarter	10/31/2020	11/30/2020

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

**ASSETS**

	<u>Cash</u>	
06-100-000-010	General Checking - Fulton Bank	\$ 113,141.77
06-100-000-015	General Checking - Meridian Bank	297,171.85
06-100-000-020	General Checking - WIPP	132,472.83
06-106-000-002	Connection Fee Account	393,463.28
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMA	<u>5,350,695.87</u>
	<b>Total Cash</b>	<b>6,286,945.60</b>
	<u>PSDLAF Investments:</u>	
06-109-000-003	CD Program	-
06-109-000-004	Full Flex	<u>183.84</u>
	<b>Total Investments</b>	<b>183.84</b>
	<u>Accounts Receivable</u>	
06-145-000-001	Usage Fees Receivable	236,887.38
06-145-000-002	Capital Assessment Receivable	-
06-147-000-000	Misc Accounts Receivable	<u>546.00</u>
	<b>Total Accounts Receivable</b>	<b>237,433.38</b>
	<u>Other Current Assets</u>	
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>
	<u>Fixed Assets</u>	
06-162-000-001	Fixed Assets	2,206,546.65
06-162-000-050	Accumulated Depreciation	(507,758.45)
06-163-000-100	Phase II Construction Project (CIP)	<u>234,000.00</u>
	<b>Total Fixed Assets</b>	<b>1,932,788.20</b>
	<u>Other Long Term Assets</u>	
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>
	<b>Total Assets</b>	<b>\$ 10,107,837.78</b>

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

7

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	97,042.03
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	(61,174.00)
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	64,068.73
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>5,305,767.83</b>

Equity

06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	3,832,949.62
	Current Period Net Income (Loss)	215,619.98
	<b>Total Equity</b>	<b>4,802,069.95</b>

Total Fund Balance 4,802,069.95

**Total Liabilities & Fund Balance** **\$ 10,107,837.78**

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

For the Period Ended May 31, 2020

88

	Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 (unaudited)	Budget 2019
<b>REVENUES</b>					
06-340-000-000 Interest Income	26,803.40	80,000.00	33.5%	143,374.14	15,000.00
06-365-000-000 Usage Fees Residential	927,414.18	2,293,851.00	40.4%	2,240,529.53	2,139,571.00
06-365-000-001 Usage Fees Commercial	49,225.00	-	#DIV/0!	121,234.30	100,000.00
06-365-000-010 Connection Fees	44,625.00	1,622,250.00	2.8%	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>\$ 1,048,067.58</b>	<b>\$ 3,997,101.00</b>	<b>26.2%</b>	<b>\$ 2,531,012.97</b>	<b>\$ 10,191,792.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration	97,042.03	273,821.00	35.4%	270,079.91	241,246.00
06-400-000-002 Authority Adminstrator	58,387.84	120,000.00	48.7%	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	1,155.03	5,000.00	23.1%	149.93	5,000.00
06-400-000-352 Insurance - Liability	2,055.98	5,370.00	38.3%	3,575.25	5,545.00
06-400-000-355 Bank Fees	53.00	650.00	8.2%	319.00	650.00
06-402-000-450 Audit Fees	3,825.00	5,450.00	70.2%	5,550.00	5,450.00
06-404-000-000 Legal Fees	2,419.45	25,000.00	9.7%	16,663.14	20,800.00
06-406-000-100 Utility Billing Costs	4,455.81	12,000.00	0.0%	12,216.87	10,000.00
06-408-000-000 Engineering Fees	197,901.17	175,000.00	113.1%	401,482.89	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	367,295.31	635,291.00	57.8%	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	6,915.42	15,000.00	46.1%	14,512.98	15,000.00
06-409-000-035 Insurance	6,167.92	11,078.00	55.7%	10,725.75	8,756.00
06-409-000-036 Electric	77,278.74	250,000.00	30.9%	252,319.68	250,000.00
06-409-000-037 Water	2,131.11	20,000.00	10.7%	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	-
	92,493.19	326,078.00	28.4%	312,968.64	318,756.00
<u>Operations:</u>					
06-420-000-020 Supplies	4,095.39	50,000.00	8.2%	51,257.99	20,000.00
06-420-000-022 Chemicals	4,313.17	15,000.00	28.8%	9,539.38	15,000.00
06-420-000-023 Propane and Fuel Oil	992.61	5,000.00	19.9%	1,151.74	5,000.00
06-420-000-025 Maintenance & Repair	25,719.38	120,000.00	21.4%	110,707.57	120,000.00
06-420-000-030 Testing	12,595.70	35,000.00	36.0%	39,736.19	40,000.00
06-420-000-031 Pump & Haul	46,737.80	50,000.00	93.5%	70,631.62	50,000.00
06-420-000-032 Vegetation Management	5,405.00	20,000.00	27.0%	18,055.61	20,000.00
06-420-000-035 Permits	1,288.00	5,000.00	25.8%	2,616.00	5,000.00
06-420-000-042 Dues and Memberships	75.00	-	#DIV/0!	10.00	2,500.00
06-420-000-045 Contracted Services	65,123.02	150,000.00	43.4%	156,977.62	135,000.00
06-420-000-048 Misc expenses	289.00	10,000.00	2.9%	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	633.62	2,500.00	25.3%	1,253.74	2,500.00
	167,267.69	464,500.00	36.0%	463,465.75	427,000.00

Upper Uwchlan Township Municipal Authority  
Statement of Revenues and Expenditures

6

For the Period Ended May 31, 2020  
(Continued)

		Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 (unaudited)	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
		<b>36,600.75</b>	<b>1,650,000.00</b>	<b>2.2%</b>	<b>689,483.51</b>	<b>1,600,000.00</b>
<b>Total Expenditures before Operations Agreement and Transfers</b>		<b>\$ 663,656.94</b>	<b>\$ 3,075,869.00</b>	<b>21.6%</b>	<b>\$ 2,304,451.37</b>	<b>\$ 2,917,447.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ 384,410.64</b>	<b>\$ 921,232.00</b>	<b>41.7%</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	103,660.91	237,494.00	43.6%	190,062.30	190,681.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	65,129.75	335,300.00	19.4%	48,198.15	-
		<b>168,790.66</b>	<b>572,794.00</b>	<b>29.5%</b>	<b>518,891.20</b>	<b>559,894.00</b>
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!	-	-
		<b>-</b>	<b>-</b>	<b>#DIV/0!</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES</b>		<b>\$ 832,447.60</b>	<b>\$ 3,648,663.00</b>	<b>22.8%</b>	<b>\$ 2,823,342.57</b>	<b>\$ 3,477,341.00</b>
<b>OPERATING INCOME</b>		<b>\$ 215,619.98</b>	<b>\$ 348,438.00</b>	<b>61.9%</b>	<b>\$ (292,329.60)</b>	<b>\$ 6,714,451.00</b>

# Clean Water, Inc.

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

170 Dallas St.  
Box 475  
Atglen, Pa. 19310

10

June 13, 2020

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

RE: Report for the June meeting

Dear Authority,

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

## Route 100

We listed a CBOD violation for April. Again, I suspect this was caused by the long amount of time the water has been in the lagoon. It seems when I sample during a discharge event it is much better. I reminded DEP that the discharge from that point goes to additional sites and not actually discharged. I met with DEP Dave Wolfinger at the plant he seemed satisfied with that explanation. The repairs over at the spray field Ewing are nearing completion. Pikeland has done a thorough job replacing damaged and seized heads as well as risers damaged by fallen trees. The field at Ewing West Vincent has been cut. However, the farmer who cut it purchased new raking and gathering equipment and is too wide for use. The farmer who cuts the other fields has agreed to rake and remove. After that, a weed killer using last years' recommendations will be applied after some regrowth.

## Eaglepointe

Plant is running well. We did have chemicals delivered by Univar. We pulled weeds on the sand filters.

## Marsh Harbour

Plant is running fine. However, we got a call from the influent station. One of the discharge assemblies came apart. As one would imagine given the age, the part is no longer available. Predoc is going to try and have one manufactured, but I am not hopeful. I have advised them to prepare a quote to replace all three of them. Spray continues here.

**Lakeridge**

Plant is running fine. We had McGovern out to haul sludge. Predoc is in the process of cleaning the dosing beds.

**Saybrooke**

Facility is running fine. Inks Disposal was out and cleaned both the equalization and filter dosing tanks. This was done because we discovered a rusted-through air header for the eq. A new header will be installed shortly. A contactor for one of the decant pumps was replaced.

**Greenridge**

Drip continues. Lagoon levels are fine. This field will need cut soon. Inks cleaned the influent pump station.

**St. Andrews**

Plant is running fine. We did have an extended power failure last week due to the storm that blew through. Interestingly it was only the homes along the road and the station that were impacted. The plant was fine. Inks pumped and hauled during that time.

That is all for now, please call with any questions.

Respectfully,

Brian Norris

---

## MEMORANDUM

---

TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: June 17, 2020

---

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 will continue.

**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.

A May 22, 2020 letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project.

**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 SPPM. 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 SPPM. 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. ARRO prepared a March 6, 2020 review comments letter regarding the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020.

Nothing new to report.

### **Eagle Hunt**

Nothing new to report.

### **Eaglepointe**

**Wastewater Treatment Plant:** ARRO is working on a plan to convert the Eaglepointe WWTP into a pretreatment facility before sending the effluent on to the Route 100 Regional WWTP for final treatment. It is proposed to design and construct an effluent pump station for a 2-inch force main. ARRO has laid out a preliminary force main route from the Eaglepointe WWTP to the proposed Byers Road sanitary sewer extension across Route 100.

Nothing new to report.

**Sanitary Sewer System:** 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. The Authority Administrator and ARRO conducted a meeting with Liberty Union and Epicurean Garage to discuss grease traps and grease entering the sanitary sewer system.

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.

Nothing new to report.

**Eagle Retail Associates – Starbucks:** ARRO is reviewing the sanitary sewer portion of a conditional use plan for a Starbucks with drive-through to occupy the former Key Bank Building at the Eaglepointe Shopping Center. ARRO reviewed the sanitary sewer portion of the conditional use application and submitted a May 28, 2019 letter to UUT with comments to the plan. ARRO recommended water consumption records be submitted from a similarly-sized facility to determine the necessary wastewater capacity. 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. On March 9,

2020 J. Loew asked ARRO if Starbucks could be connected to the Route 100 Regional WWTP sanitary sewer system. The Authority Administrator will extend this request to Authority Board for consideration. ARRO is working on a plan to extend the proposed Byers Road sewer across Route 100 to the Eaglepointe shopping center entrance and connect Starbucks to the Route 100 Regional WWTP sanitary sewer system. ARRO is preparing a response to a May 14, 2020 email from PADEP who has requested certification of capacity for the project, and a status update of the revised Act 537 Plan, including a status schedule and the plan for decommissioning of the Eaglepointe WWTP.

A May 28, 2020 response letter to the May 14, 2020 email from PADEP was prepared under Authority letterhead and transmitted to PADEP. PADEP issued a June 15, 2020 letter stating that the project is exempt from the requirement to revise the Official Plan for new land development.

### **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 sometime in 2020 when statewide construction is allowed to resume.

By email dated June 9, 2020 Lennar informed ARRO that the repair of a Ewing Tract – West Vincent gravity sewer pipe defect has been delayed as they need to find a new subcontractor to complete the work.

### **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. Site contractor started sanitary sewer installation on March 4, 2020. Site contractor suspended sanitary sewer installation work due to coronavirus restrictions. ARRO received an email from Ebert Engineering that the initial submission of the Upland Farms drip pump station upgrade and Fetter's site drip field design would be submitted during the week of May 25.

On June 12, 2020 ARRO received from Ebert Engineering the initial submission of the Fetter's Tract Drip Disposal System Part II WQM Permit Application, Design Engineer's Report and Drip Disposal System design drawings issued for WQM review. ARRO is in the process of reviewing the documents.

ARRO reviewed E. B. Walsh Utility Coordination drawings and Ebert Engineering revised low pressure sewer system drawings and issued June 17, 2020 comments to each drawing set.

### **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. At the request of the Authority solicitor, ARRO reviewed and commented in an email dated March 17, 2020 on a deed of dedication, maintenance security agreement escrow and grant of sanitary sewer easements. ARRO reviewed the revised Open Space Lot 66 Deed of Dedication submitted by Toll Brothers on April 3, 2020 and has no further comments to the document.

Nothing new to report.

### **Greenridge**

**Open Community Adaptive Reuse Development (OCARD):** 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. ARRO completed reviewing the latest revision to the OCARD land development plans, dated February 14, 2020. ARRO sent an April 2, 2020 email to the Developer's engineer stating it had no further comments to the plans.

By letter dated June 15, 2020 the Developer's engineer submitted final sanitary sewer system drawings. Construction of the onsite sewer piping started the week of June 15, 2020.

20

**Meadow Creek Sewer Extension to Greenridge WWTP:** At the request of the Authority Administrator ARRO prepared March 16, 2020 sketch plans and opinions of probable construction costs to extend Meadow Creek sanitary sewer to the Greenridge WWTP. ARRO is studying the retirement of the Meadow Creek WWTP by starting a study to determine what upgrades are needed at Greenridge WWTP in order to accept flow from Meadow Creek. ARRO also initiated a preliminary design for a pump station and force main system to convey Meadow Creek flow to Greenridge WWTP.

ARRO continues the plans for decommissioning the Meadow Creek WWTP, continues preliminary pump station and force main design to convey sewage to the Greenridge WWTP, and continues the study of the Greenridge WWTP to determine what upgrades are needed to accept Meadow Creek flow.

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

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. SFFPM 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 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.

Installation of the gravity house service line to each new home has resumed the week of May 18, 2020.

Testing of the onsite sanitary sewer continued the week of June 15, 2020.

### **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 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.

The electrical contractor, Eastern Environmental Contractors, has completed closeout and received final payment. ARRO is confirming that the general contractor, Blooming Glen, has completed all contract closeout activities with an expectation of submission of the final payment application in July.

### **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 prepared a draft of the 2020 Route 100 Regional WWTP groundwater monitoring report and it is under review.

### **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. ARRO responded to February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing.

ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22.

### **Saybrooke**

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

ARRO prepared a draft of the 2020 Saybrooke WWTP groundwater monitoring report and it is under review.

### **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.

The sanitary sewer system was pressure washed and televised on May 8, 2020 to locate any infiltration within the system. ARRO is in the process of reviewing the video.

### **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. Columbia Gas subcontractor is working in the right of way adjacent to

the Waynebrook drip fields on impressed current cathodic protection. ARRO was present at the start of the work to respond to requests for information regarding drip field infrastructure.

Nothing new to report.

24

### **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. ARRO emailed the Developer's engineer on February 25, 2020 requesting the engineer contact PADEP about questions to the project.

Nothing new to report.

**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 received a June 12, 2020 email from the PA Department of Community & Economic Development that the grant application will not be reviewed until September 2020; however they wanted a timeline for the project after September, which ARRO prepared and submitted.

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.

ARRO is continuing work on a plan to extend the proposed Byers Road sewer across Route 100 to the Eaglepointe shopping center entrance.

**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. ARRO is reviewing the planning module application and getting it ready for Authority and Township signatures before its submission to PADEP. ARRO submitted the planning module application to PADEP on May 10, 2020.

ARRO is working on completing the design drawings and specifications for the project.

**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.

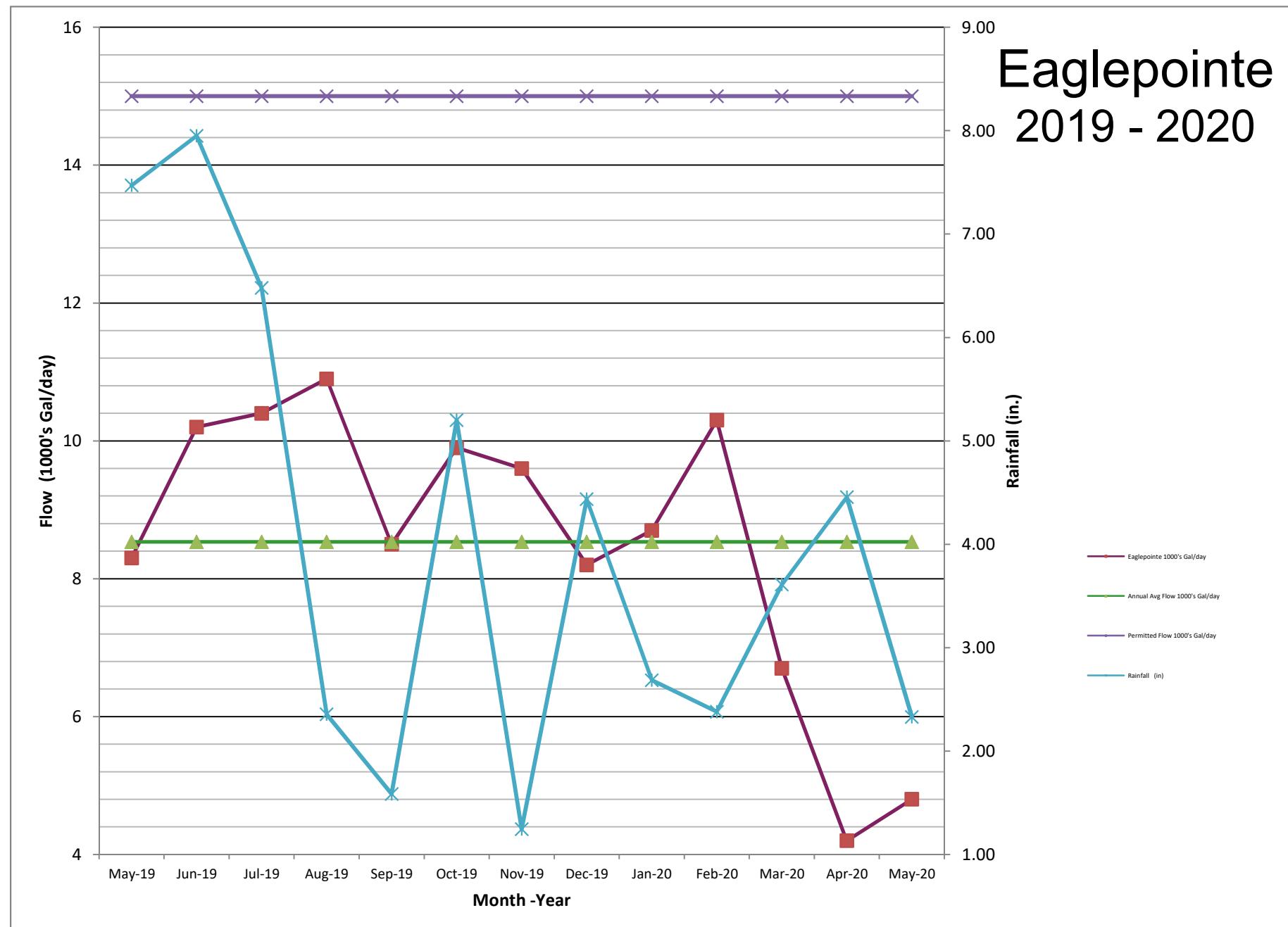
**Township Wastewater Treatment Plant's Monthly Average Flow Charts** – Please see the attached.

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

**MONTHLY AVERAGE DAILY FLOWS**

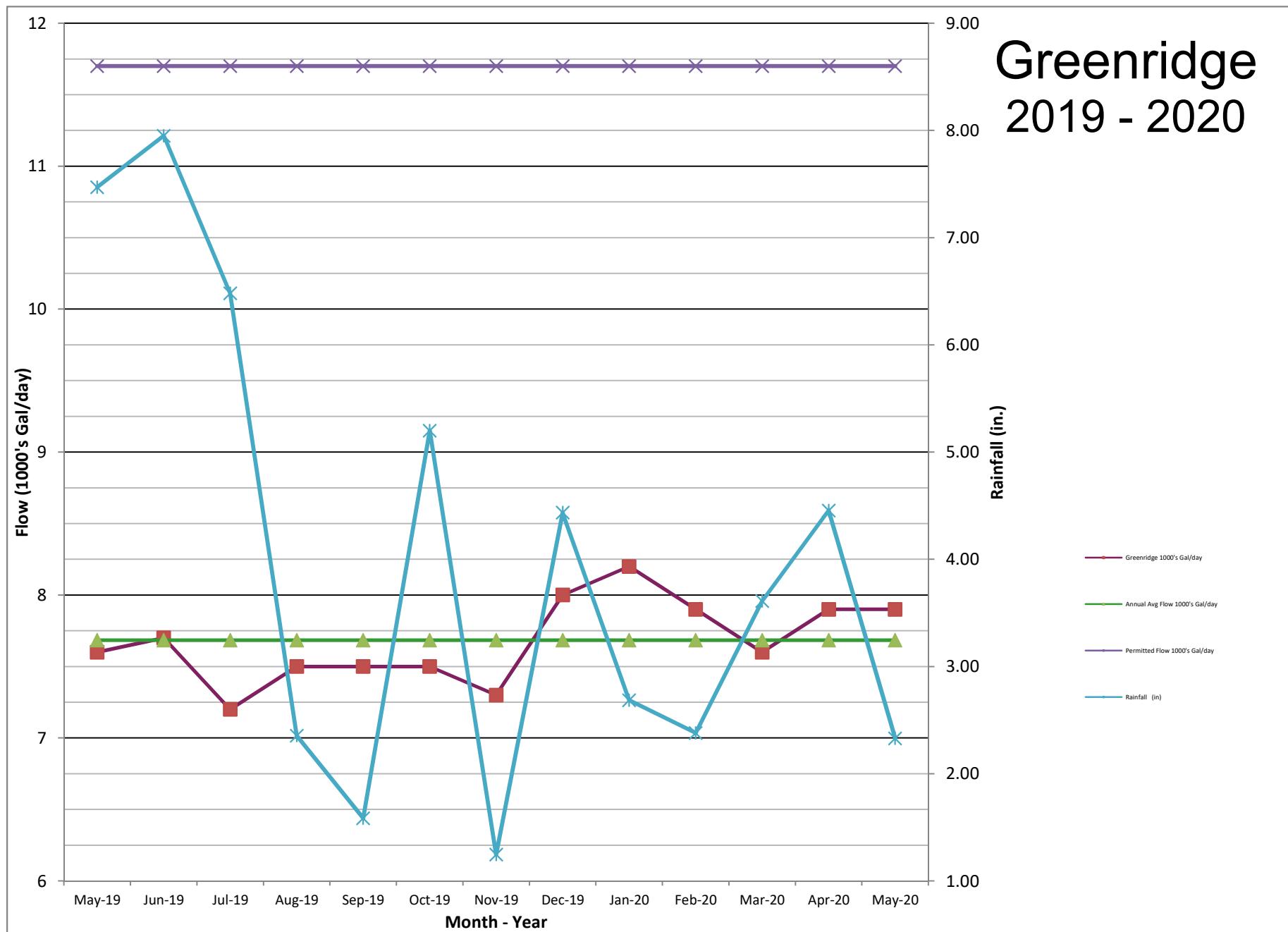
Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
May-19		0.00830	0.00760	0.02820	0.04250	0.35720	0.00820	0.00260	7.47
Jun-19		0.01020	0.00770	0.02310	0.03990	0.34300	0.00750	0.00200	7.95
Jul-19		0.01040	0.00720	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
Feb-20		0.01030	0.00790	0.02360	0.04060	0.33560	0.00780	0.00250	2.38
Mar-20		0.00670	0.00760	0.02870	0.04370	0.37640	0.00700	0.00290	3.61
Apr-20		0.00420	0.00790	0.03000	0.04720	0.38900	0.00790	0.00270	4.46
May-20		0.00480	0.00790	0.02940	0.04540	0.38610	0.00740	0.00220	2.33
<b>Annual Avg Flow =</b>		<b>0.00853</b>	<b>0.00768</b>	<b>0.02469</b>	<b>0.04103</b>	<b>0.35053</b>	<b>0.00757</b>	<b>0.00220</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

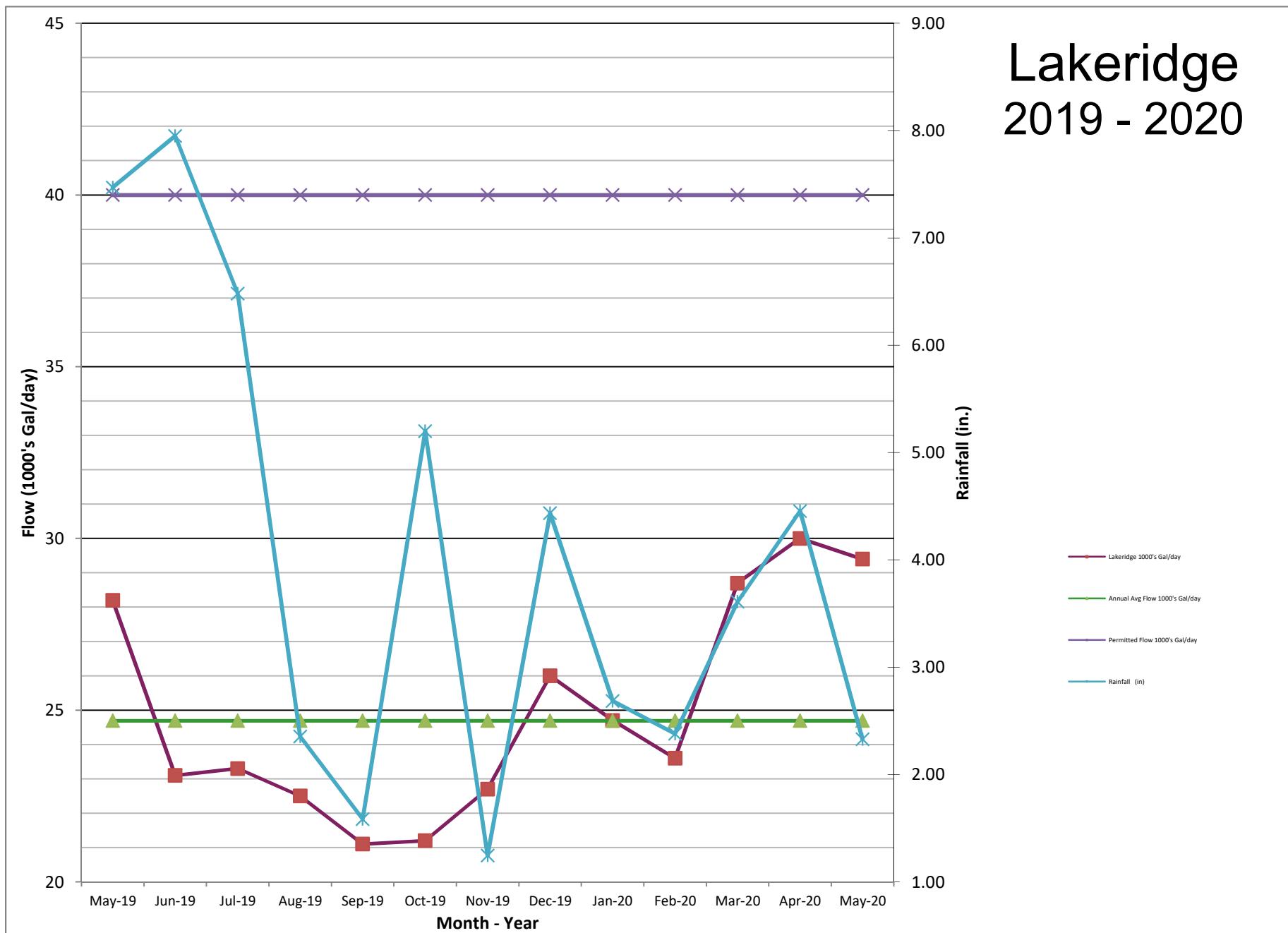


# Greenridge 2019 - 2020

30

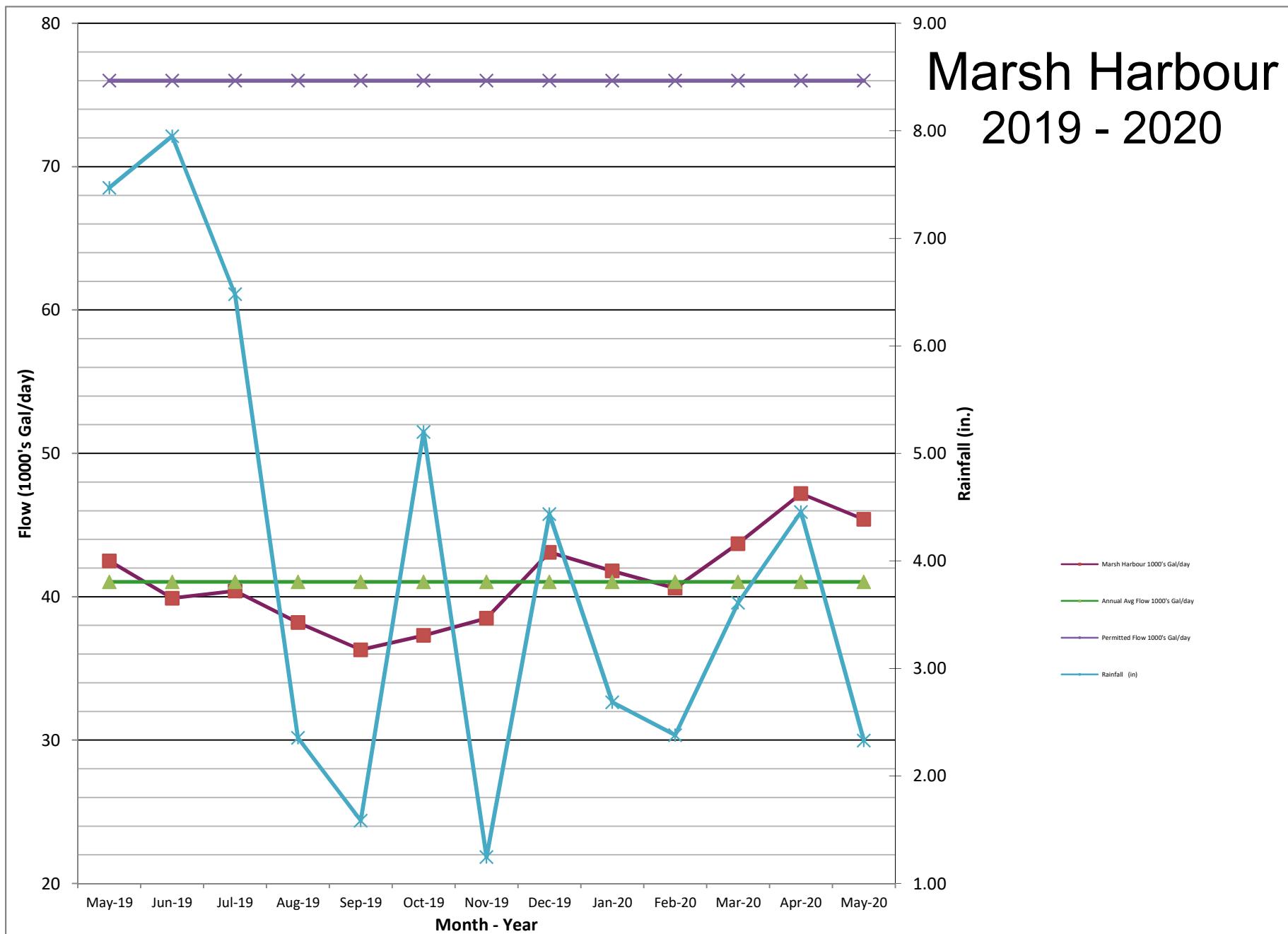


# Lakeridge 2019 - 2020



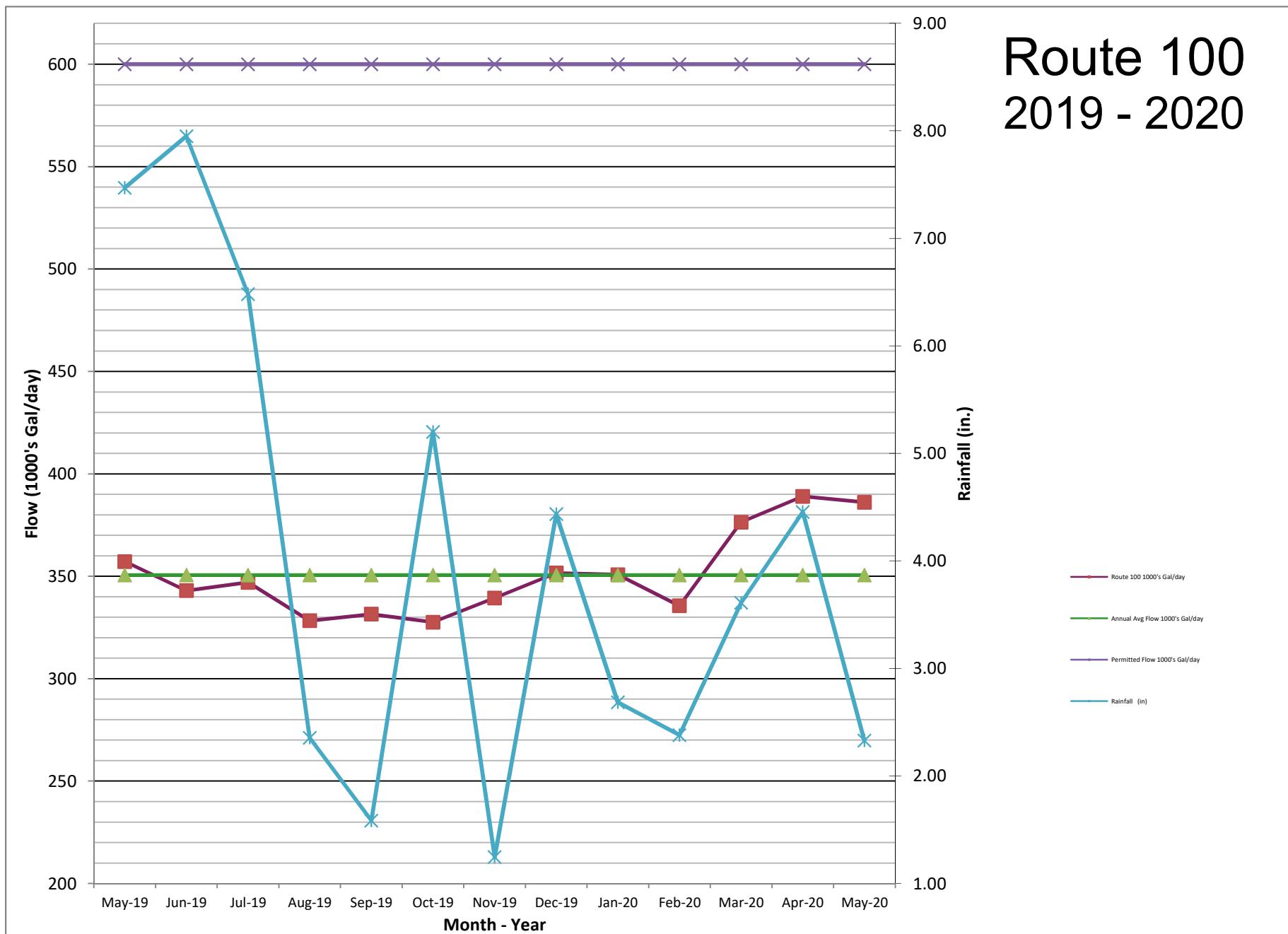
# Marsh Harbour

## 2019 - 2020

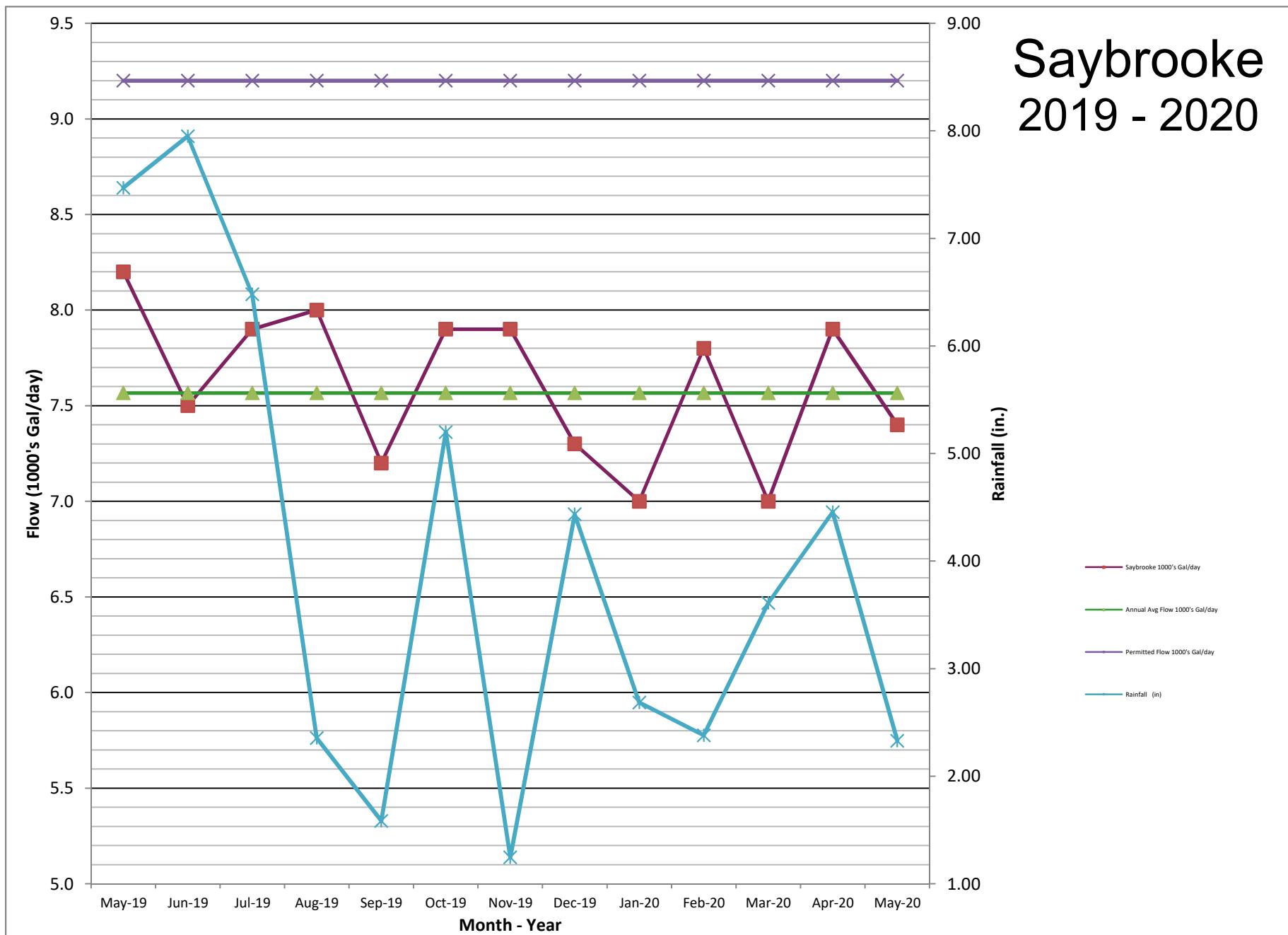


# Route 100

## 2019 - 2020

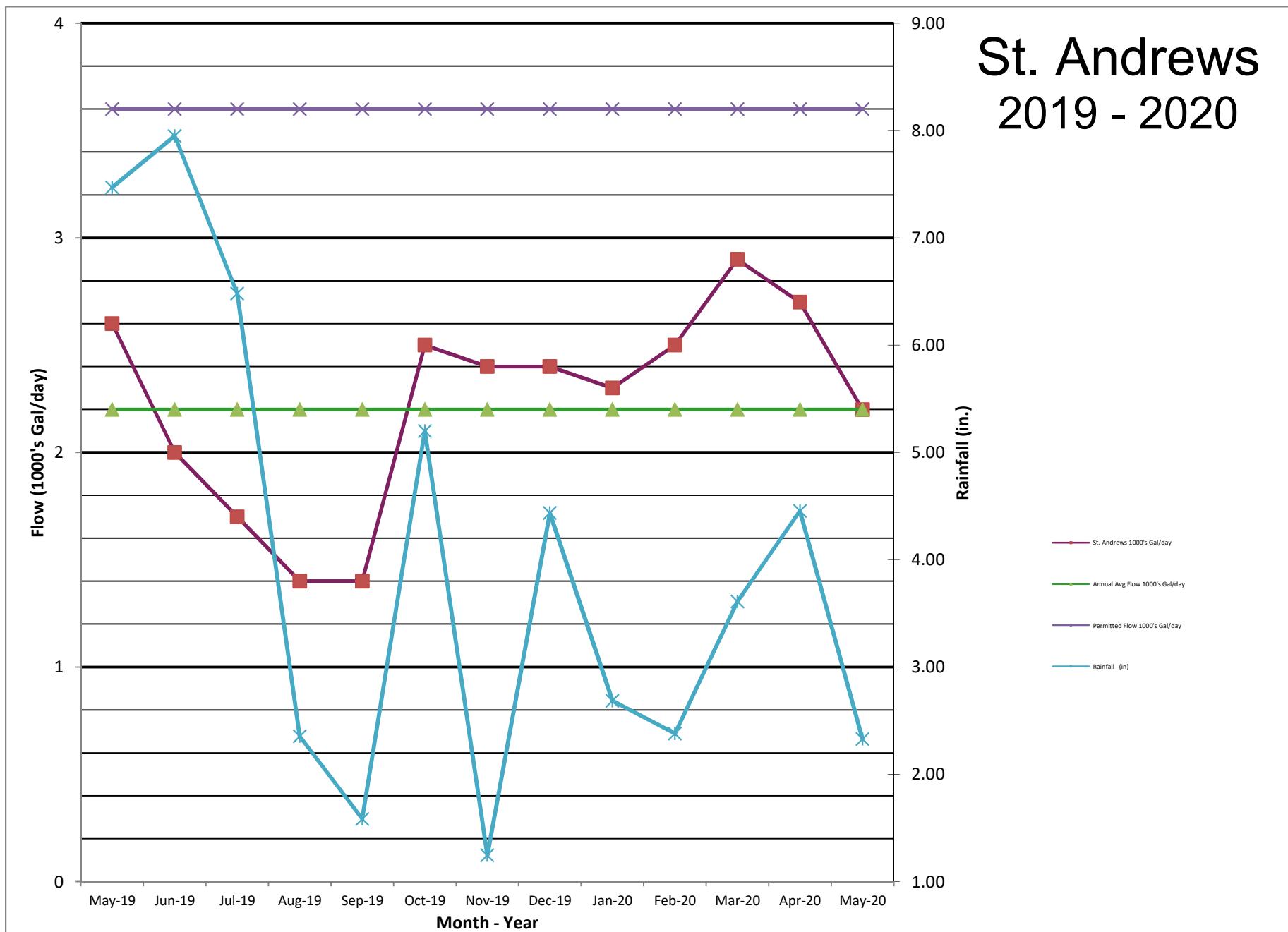


# Saybrooke 2019 - 2020



# St. Andrews

## 2019 - 2020





To: Municipal Authority Members  
From: G. Matthew Brown, P.E., DEE  
Re: Authority Administrator's Report  
Date: June 18, 2020

Activities for the month include:

- A. Communication with WWTF Operator and Township Staff regarding operational and maintenance issues.
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files.
- C. Communication with PADCED regarding grant status for Byers Road.
- D. Communication with Township Treasurer for annual audit.
- E. Communication with McKee engineer and ARRO regarding Phase III design of the Route 100 WWTF, collection system and disposal system.
- F. Communication with Township, PADEP and ARRO regarding assessment of the Meadow Creek collection system and preparation of planning documents for connection to the Greenridge system.
- G. Communication with PADEP regarding the Eaglepointe WWTF and Starbucks.
- H. Communication with residents regarding connection to the Lakeridge system.
- I. Communication with PADEP regarding the Byers Road extension and development connection.

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



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

**The following projects are underway:**

**Ongoing:**

- Locks were spot checked at all pump stations. All have been secure.
- 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
  - General cleanup
  - Repaired outdoor lighting
  - Site checks
- Byers Station Effluent PS
  - General cleaning of station
  - Changed bulbs in control building
  - Repaired outdoor lights
- Byers Station Influent PS
  - Repaired heater
  - General cleaning of station
- Ewing PS
  - General cleaning of station
  - Replaced outdoor bulbs
  - Heater will need repaired. Frank will get to it as soon as possible but we are out of the cold season.
- Ewing West Vincent PS
  - General cleaning of station
  - Repair done to heater
  - Site checks

- **Ewing Tract Effluent Disposal System**
  - Site checked
- **Eagle Hunt**
  - Cleaning of this location
- **Windsor Ridge**
  - General cleaning
  - Gutter cleaning
  - Heater serviced
  - Outside bulbs replaced
- **Saybrook WWTP**
  - General cleaning of station
  - Replaced signage
  - Gutter cleaning
  - Bulb replacements
- **Seabury**
  - There are currently no work orders for this facility.
- **Yarmouth PS1**
  - There are currently no work orders for this facility.
- **Yarmouth PS2**
  - Lubricated locks
  - There are currently no work orders for this facility.
- **St Andrews Brae**
  - General cleaning of station
- **St Andrews Brae PS (at St Andrews intersection)**
  - Lubricated locks
  - Trimmed and cleaned up limbs
  - Sprayed for an ant problem
  - Repaired fencing
  - There are currently no work orders for this facility.
- **Reserve Lagoon**
  - Site checks
  - Repaired outside outlet
  - Cleaned gutters
  - General cleaning of station

- Reserve at Eagle PS1
  - Cleaned gutters
  - Lubed locks
  - General cleaning
- Reserve at Eagle PS 2
  - Removed bird nest from generator exhaust
  - Cleaned gutters
  - Lubed locks
  - General cleaning of station
- Upland Farms PS/ Reserve at Waynebrook
  - Site checks
  - Gutter cleaning
  - Repaired downspout again
  - Repaired front door
- Greenridge
  - Repair of light switch and outside fixture
  - General cleaning of station
- Stonehedge
  - Tree trimming
  - General cleaning and trash removal
- Marsh Harbour WWTP .
  - Lubrication of locks
  - Repaired outdoor light
  - General cleaning and trash removal
- Marsh Harbour PS
  - Lubrication of locks
  - There are no work orders for this station
- Meadowcreek
  - There are currently work orders for this facility.
  - Lubrication of locks
- Eaglepoint
  - 1. Trash collection and cleaning
  - 2. Replaced safety ring
  - 3. Replaced light fixture
- Herron Hill PS
  - There are currently no work orders for this facility.

- **Lakeridge WWTP**
  - General cleaning and trash removal
  - Replaced indoor and outdoor light fixtures
  - Repaired an electrical outlet
- **Lakeridge Pump Station**
  - Lubrication of locks
  - General cleaning and trash removal
- **Eagle Farms Rd PS (WV)**
  - General cleaning of station
- **Little Conestoga Rd PS**
  - Mowed grass
  - Cleaned gutters
  - There are currently no work orders for this facility.
- **Eagle Manor PS (Dorothy Ln)**
  - Lubed locks
  - There are currently no work orders for this facility.
- **Garrison Dr. (spray field pump station #1)**
  - There are currently no work orders for this facility.
- **Garrison Dr. (spray field pump station #2)**
  - There are currently no work orders for this facility.

- **Public Works continues to respond to Pa 1-calls. UUT responded to 98 PA 1-Call tickets during the month.**

40

Respectfully submitted,

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