



## AGENDA

November 24, 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 [tscheivert@upperuwchlan-pa.gov](mailto:tscheivert@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.

- I. Call to Order
- II. Approval of Minutes: October 27, 2020
- III. Approval of Payments: November 2020
- IV. Authority Administration Reports
  - A. Clean Water, Inc. Monthly Report
  - B. ARRO Consulting Monthly Report
  - C. Authority Administrator's Report
  - D. Public Works Department Report
- V. Presentation of Draft 2021 Operating and Capital Budgets
- VI. Open Session
- VII. Next Meeting Date: December 22, 2020 ~ 7:30 p.m.  
Location: Will be announced on the website
- VIII. Adjournment

November 20, 2020  
12:14 PM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2336 to 2365  
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
2336	11/24/20	ALSGROUP ALS GROUP USA, CORP	1,755.60	2314
2337	11/24/20	AMERIGAS AMERIGAS	152.35	2314
2338	11/24/20	AQUA010 AQUA PA	476.32	2314
2339	11/24/20	ARROC010 ARRO CONSULTING, INC.	32,274.50	2314
2340	11/24/20	ATTMOBIL AT & T MOBILITY	138.66	2314
2341	11/24/20	BRINSON TAMARA & LEONARD BRINSON	88.00	2314
2342	11/24/20	CHRISFRA FRANTZ, CHRISTOPHER	215.00	2314
2343	11/24/20	CLEANWAT CLEAN WATER, INC.	6,455.00	2314
2344	11/24/20	COLON010 COLONIAL ELECTRIC SUPPLY CO.,	185.10	2314
2345	11/24/20	COMM0015 COMMONWEALTH OF PENNSYLVANIA	250.00	2314
2346	11/24/20	DECKM010 DECKMAN MOTOR & PUMP, INC	6,890.00	2314
2347	11/24/20	DYNAT010 DYNA TECH INDUSTRIES LTD	6,489.66	2314
2348	11/24/20	EAGLHARD EAGLE HARDWARE	21.36	2314
2349	11/24/20	INKS0010 INK'S DISPOSAL SERVICE, INC.	375.00	2314
2350	11/24/20	JOHNST01 JOHNSTONE SUPPLY	465.60	2314
2351	11/24/20	LAWSO010 LAWSON PRODUCTS, INC.	389.51	2314
2352	11/24/20	LUDWI060 LUDWIG'S CORNER SUPPLY CO.	94.47	2314
2353	11/24/20	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	11,102.03	2314
2354	11/24/20	MCI00001 MCI COMM SERVICE	74.80	2314
2355	11/24/20	MGL00010 MGL PRINTING SOLUTIONS	98.50	2314
2356	11/24/20	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,556.50	2314
2357	11/24/20	NAPA0010 NAPA	40.16	2314
2358	11/24/20	PEC00010 PECO ENERGY	34,582.15	2314
2359	11/24/20	PENNS080 PENNSYLVANIA ONE CALL	189.09	2314
2360	11/24/20	PRED0010 PREDOC	1,100.00	2314
2361	11/24/20	PURCHPOW PURCHASE POWER (PITNEY BOWES)	200.00	2314
2362	11/24/20	VERIZFIO VERIZON	132.40	2314
2363	11/24/20	VERIZFIO VERIZON	1,048.93	2314
2364	11/24/20	WGMALDEN W. G. MALDEN	2,142.00	2314
2365	11/24/20	UPPER070 UPPER UWCHLAN TOWNSHIP	69,918.25	2315

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	30	0	178,900.94	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	30	0	178,900.94	0.00

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2336 to 2365  
Report Type: All Checks Report Format: Detail Check Type: Computer: Y Manual: Y Dir Deposit: Y

Check #	Check Date	Vendor	Amount	Paid	Charge Account	Account Type	Reconciled/Void	Ref	Ref Num	Contract	Seq	Acct
		PO #		Item	Description							
2336	11/24/20	ALSGROUP	ALS GROUP USA, CORP						2314			
20-01414		1	saybrooke		411.90	06-420-000-030	Expenditure		11	1		
					Testing							
20-01414		2	lakeridge		453.90	06-420-000-030	Expenditure		12	1		
					Testing							
20-01414		3	marsh harbor		889.80	06-420-000-030	Expenditure		13	1		
					Testing							
					1,755.60							
2337	11/24/20	AMERIGAS	AMERIGAS						2314			
20-01416		1	marsh harbor		152.35	06-420-000-023	Expenditure		15	1		
					Propane							
2338	11/24/20	AQUAP010	AQUA PA						2314			
20-01440		1	325 fellowship road		231.56	06-409-000-037	Expenditure		105	1		
					Water							
20-01440		2	658 collingwood terrace		53.51	06-409-000-037	Expenditure		106	1		
					Water							
20-01440		3	425 hemlock lane		53.51	06-409-000-037	Expenditure		107	1		
					Water							
20-01440		4	119 prescott drive		18.35	06-409-000-037	Expenditure		108	1		
					Water							
20-01440		5	439 prescott drive		18.35	06-409-000-037	Expenditure		109	1		
					Water							
20-01440		6	meadow creek lane		18.35	06-409-000-037	Expenditure		110	1		
					Water							
20-01440		7	1 prospect hill blvd		54.72	06-409-000-037	Expenditure		111	1		
					Water							
20-01440		8	1120 sunderland ave		14.13	06-409-000-037	Expenditure		112	1		
					Water							
20-01440		9	528 walter court		11.06	06-409-000-037	Expenditure		113	1		
					Water							
20-01440		10	381 lcr		1.39	06-409-000-037	Expenditure		114	1		
					Water							
20-01440		11	111 dorothy lane		1.39	06-409-000-037	Expenditure		115	1		
					Water							
					476.32							
2339	11/24/20	ARROC010	ARRO CONSULTING, INC.						2314			
20-01413		1	project 17000.00 consulting		2,961.75	06-408-000-000	Expenditure		2	1		
					Engineering Fees							
20-01413		2	project 9310.32 ww sys admin		8,732.75	06-408-000-000	Expenditure		3	1		
					Engineering Fees							
20-01413		3	project 10270.48 byers road		3,295.75	06-408-000-000	Expenditure		4	1		
					Engineering Fees							
20-01413		4	project 10270.64 milford farms		5,493.50	06-408-000-000	Expenditure		5	1		
					Engineering Fees							
20-01413		5	project 10270.71 act 537		1,677.00	06-408-000-000	Expenditure		6	1		
					Engineering Fees							

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Upper Uwchlan Township  
Check Register By Check Id

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Check #	Check Date	Vendor	Reconciled/Void	Ref Num		
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct
2339	ARRO CONSULTING, INC.	Continued				
20-01413	6	project 10270.72 mc and green	3,283.00	06-408-000-000 Engineering Fees	Expenditure	7 1
20-01413	7	project 10270.73 eaglepointe	1,014.50	06-408-000-000 Engineering Fees	Expenditure	8 1
20-01413	8	project 10270.74 rt 100 permit	2,058.50	06-408-000-000 Engineering Fees	Expenditure	9 1
20-01413	9	project 10270.75 upland farms	3,757.75	06-408-000-000 Engineering Fees	Expenditure	10 1
			32,274.50			
2340	11/24/20	ATTMOBIL AT & T MOBILITY				2314
20-01415	1	pump stations - telephone	138.66	06-409-000-032 Telephone	Expenditure	14 1
2341	11/24/20	BRINSON TAMARA & LEONARD BRINSON				2314
20-01412	1	sewer payment - refund	88.00	06-495-000-000 Expense Reclass	Expenditure	1 1
2342	11/24/20	CHRISFRA FRANTZ, CHRISTOPHER				2314
20-01417	1	monthly board packages review	215.00	06-404-000-000 Legal Fees	Expenditure	16 1
2343	11/24/20	CLEANWAT CLEAN WATER, INC.				2314
20-01419	1	monthly operations	6,455.00	06-420-000-045 Contracted Services	Expenditure	20 1
2344	11/24/20	COLON010 COLONIAL ELECTRIC SUPPLY CO.,				2314
20-01418	1	led photo button	119.04	06-420-000-020 Supplies	Expenditure	17 1
20-01418	2	circuit breaker	46.84	06-420-000-020 Supplies	Expenditure	18 1
20-01418	3	led top lens	19.22	06-420-000-020 Supplies	Expenditure	19 1
			185.10			
2345	11/24/20	COMM0015 COMMONWEALTH OF PENNSYLVANIA				2314
20-01420	1	eaglepointe development	250.00	06-420-000-035 Permits	Expenditure	21 1
2346	11/24/20	DECKM010 DECKMAN MOTOR & PUMP, INC				2314
20-01422	1	rt 100 plant - rebuilt pump	6,310.00	06-420-000-025 Maintenance & Repair	Expenditure	37 1
20-01422	2	rt 100 plant-repair weg motor	580.00	06-420-000-025 Maintenance & Repair	Expenditure	38 1
			6,890.00			
2347	11/24/20	DYNAT010 DYNAT TECH INDUSTRIES LTD				2314
20-01421	1	walter court - service	471.00	06-420-000-045 Contracted Services	Expenditure	22 1
20-01421	2	walter court - labor/parts	111.65	06-420-000-045 Contracted Services	Expenditure	23 1

Check #	Check Date	Vendor	Reconciled/Void	Ref Num		
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct
2347	DYNA TECH INDUSTRIES LTD	Continued				
20-01421	3	reserve - service	426.00	06-420-000-045 Contracted Services	Expenditure	24 1
20-01421	4	199 prescott drive	471.00	06-420-000-045 Contracted Services	Expenditure	25 1
20-01421	5	520 walter court	121.94	06-420-000-045 Contracted Services	Expenditure	26 1
20-01421	6	2500 mallard lane	479.98	06-420-000-045 Contracted Services	Expenditure	27 1
20-01421	7	2500 mallard lane - labor/part	43.34	06-420-000-045 Contracted Services	Expenditure	28 1
20-01421	8	2500 mallard lane - service	396.00	06-420-000-045 Contracted Services	Expenditure	29 1
20-01421	9	390 little conestoga road	604.06	06-420-000-045 Contracted Services	Expenditure	30 1
20-01421	10	308 flagstone road	771.51	06-420-000-045 Contracted Services	Expenditure	31 1
20-01421	11	304 fellowship road - service	426.00	06-420-000-045 Contracted Services	Expenditure	32 1
20-01421	12	route 100 plant - service	717.06	06-420-000-045 Contracted Services	Expenditure	33 1
20-01421	13	route 100 plant - labor/parts	339.39	06-420-000-045 Contracted Services	Expenditure	34 1
20-01421	14	ewing - service	471.00	06-420-000-045 Contracted Services	Expenditure	35 1
20-01421	15	windsor ridge - service	639.73	06-420-000-045 Contracted Services	Expenditure	36 1
			6,489.66			
2348	11/24/20	EAGLHARD EAGLE HARDWARE				2314
20-01423	1	pads, sponge, trash bags	21.36	06-420-000-020 Supplies	Expenditure	39 1
2349	11/24/20	INKS0010 INK'S DISPOSAL SERVICE, INC.				2314
20-01424	1	eaglepointe - cleaned filters	375.00	06-420-000-025 Maintenance & Repair	Expenditure	40 1
2350	11/24/20	JOHNST01 JOHNSTONE SUPPLY				2314
20-01425	1	fan motor, thermostat	465.60	06-420-000-020 Supplies	Expenditure	41 1
2351	11/24/20	LAWSO010 LAWSON PRODUCTS, INC.				2314
20-01427	1	ma - stripe paint	389.51	06-420-000-020 Supplies	Expenditure	43 1
2352	11/24/20	LUDWI060 LUDWIG'S CORNER SUPPLY CO.				2314
20-01426	1	ma - 12 green, cutting pliers	94.47	06-420-000-020 Supplies	Expenditure	42 1
2353	11/24/20	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC				2314
20-01431	1	rt 100 wwt	77.63	06-420-000-031 Pump & Haul	Expenditure	57 1

Check #	Check Date	Vendor	Reconciled/Void	Ref Num		
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct
2353	MCGOVERN ENVIRONMENTAL, LLC	Continued				
20-01431	2	rt 100 wwt	4,149.27	06-420-000-031 Pump & Haul	Expenditure	58 1
20-01431	3	rt 100 wwt	77.63	06-420-000-031 Pump & Haul	Expenditure	59 1
20-01431	4	rt 100 wwt	77.63	06-420-000-031 Pump & Haul	Expenditure	60 1
20-01431	5	rt 100 wwt	77.63	06-420-000-031 Pump & Haul	Expenditure	61 1
20-01431	6	rt 100 wwt	526.76	06-420-000-031 Pump & Haul	Expenditure	62 1
20-01431	7	rt 100 wwt	3,687.34	06-420-000-031 Pump & Haul	Expenditure	63 1
20-01431	8	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	64 1
20-01431	9	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	65 1
20-01431	10	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	66 1
20-01431	11	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	67 1
20-01431	12	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	68 1
20-01431	13	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	69 1
			11,102.03			
2354	11/24/20	MCI00001 MCI COMM SERVICE				2314
20-01428	1	telephone	74.80	06-409-000-032 Telephone	Expenditure	44 1
2355	11/24/20	MGL00010 MGL PRINTING SOLUTIONS				2314
20-01429	1	envelopes	98.50	06-400-000-200 Admin Supplies	Expenditure	45 1
2356	11/24/20	MJREIDER M. J. REIDER ASSOCIATES, INC.				2314
20-01430	1	1825 darlington lane - sink	370.00	06-420-000-030 Testing	Expenditure	46 1
20-01430	2	lakeridge	122.50	06-420-000-030 Testing	Expenditure	47 1
20-01430	3	marsh harbor	136.50	06-420-000-030 Testing	Expenditure	48 1
20-01430	4	greenridge	108.50	06-420-000-030 Testing	Expenditure	49 1
20-01430	5	reserve,eagle hunt,byers,ewing	56.00	06-420-000-030 Testing	Expenditure	50 1
20-01430	6	rt 100 wwt	108.50	06-420-000-030 Testing	Expenditure	51 1
20-01430	7	st. andrews	108.50	06-420-000-030 Testing	Expenditure	52 1
20-01430	8	saybrooke	108.50	06-420-000-030 Testing	Expenditure	53 1

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void	Ref Num	Ref Seq	Acct
PO #	Item	Description				Contract			
2356	M. J. REIDER ASSOCIATES, INC.	Continued							
20-01430	9	eaglepointe	178.50	06-420-000-030 Testing	Expenditure		54	1	
20-01430	10	saybrooke	108.50	06-420-000-030 Testing	Expenditure		55	1	
20-01430	11	st. andrews	150.50	06-420-000-030 Testing	Expenditure		56	1	
			1,556.50						
2357	11/24/20	NAPA0010 NAPA					2314		
20-01432	1	truck - front wiper blade	40.16	06-420-000-020 Supplies	Expenditure		70	1	
2358	11/24/20	PECO0010 PECO ENERGY					2314		
20-01436	1	304 fellowship road	291.52	06-409-000-036 Electric	Expenditure		74	1	
20-01436	2	2500 eagle farms road	1,055.72	06-409-000-036 Electric	Expenditure		75	1	
20-01436	3	seabury lane	64.84	06-409-000-036 Electric	Expenditure		76	1	
20-01436	4	primrose court	2,013.16	06-409-000-036 Electric	Expenditure		77	1	
20-01436	5	100 prescott drive	507.37	06-409-000-036 Electric	Expenditure		78	1	
20-01436	6	meadow creek lane	55.64	06-409-000-036 Electric	Expenditure		79	1	
20-01436	7	301 pottstown pike	402.44	06-409-000-036 Electric	Expenditure		80	1	
20-01436	8	kristines/milford	218.53	06-409-000-036 Electric	Expenditure		81	1	
20-01436	9	711 dorian road	622.67	06-409-000-036 Electric	Expenditure		82	1	
20-01436	10	111 dorothy lane	166.25	06-409-000-036 Electric	Expenditure		83	1	
20-01436	11	dorlan drive	3,219.67	06-409-000-036 Electric	Expenditure		84	1	
20-01436	12	381 lcr	402.88	06-409-000-036 Electric	Expenditure		85	1	
20-01436	13	milford road	57.56	06-409-000-036 Electric	Expenditure		86	1	
20-01436	14	st. andrews road	70.66	06-409-000-036 Electric	Expenditure		87	1	
20-01436	15	park road	3,529.70	06-409-000-036 Electric	Expenditure		88	1	
20-01436	16	55 pottstown pike	1,217.20	06-409-000-036 Electric	Expenditure		89	1	
20-01436	17	yarmouth lane	755.99	06-409-000-036 Electric	Expenditure		90	1	
20-01436	18	sunderland avenue	4,738.36	06-409-000-036 Electric	Expenditure		91	1	
20-01436	19	kiloran wynd drive	482.12	06-409-000-036 Electric	Expenditure		92	1	

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Upper Uwchlan Township  
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Check #	Check Date	Vendor	Amount	Paid	Charge Account	Account Type	Reconciled/Void	Ref Num	Ref Seq	Acct
PO #	Item	Description					Contract			
2358	PECO ENERGY	Continued								
20-01436	20	flagstone road		1,519.59	06-409-000-036 Electric	Expenditure		93	1	
20-01436	21	yarmouth lane		71.01	06-409-000-036 Electric	Expenditure		94	1	
20-01436	22	140 pottstown pike		409.36	06-409-000-036 Electric	Expenditure		95	1	
20-01436	23	275 fellowship road		11,083.34	06-409-000-036 Electric	Expenditure		96	1	
20-01436	24	heron hill drive		227.30	06-409-000-036 Electric	Expenditure		97	1	
20-01436	25	indian springs drive		153.36	06-409-000-036 Electric	Expenditure		98	1	
20-01436	26	yarmouth lane		107.94	06-409-000-036 Electric	Expenditure		99	1	
20-01436	27	hemlock lane		153.66	06-409-000-036 Electric	Expenditure		100	1	
20-01436	28	fellowship road		984.31	06-409-000-036 Electric	Expenditure		101	1	
					34,582.15					
2359	11/24/20	PENNS080 PENNSYLVANIA ONE CALL						2314		
20-01435	1	monthly activity		189.09	06-420-000-329 PA One Call	Expenditure		73	1	
2360	11/24/20	PRED0010 PREDOC						2314		
20-01434	1	meadow creek wwtp - cleanings		1,100.00	06-420-000-025 Maintenance & Repair	Expenditure		72	1	
2361	11/24/20	PURCHPOW PURCHASE POWER (PITNEY BOWES)						2314		
20-01433	1	postage		200.00	06-400-000-200 Admin Supplies	Expenditure		71	1	
2362	11/24/20	VERIZFIO VERIZON						2314		
20-01437	1	internet		132.40	06-409-000-032 Telephone	Expenditure		102	1	
2363	11/24/20	VERIZFIO VERIZON						2314		
20-01438	1	november pump station-phones		1,048.93	06-409-000-032 Telephone	Expenditure		103	1	
2364	11/24/20	WGMALDEN W. G. MALDEN						2314		
20-01439	1	calibrate metering equipment		2,142.00	06-420-000-045 Contracted Services	Expenditure		104	1	
2365	11/24/20	UPPER070 UPPER UWCHLAN TOWNSHIP						2315		
20-01441	1	2020 Q3 admin fees		69,918.25	06-400-000-001 Administration	Expenditure		1	1	

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Check #	Check Date	Vendor	Reconciled/Void	Ref Num		
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct
2365 UPPER UWCHLAN TOWNSHIP						
		Continued				
Report Totals			<u>Amount</u>	<u>Paid</u>	<u>Amount</u>	<u>Void</u>
	Checks:	30	178,900.94	0	0.00	
	Direct Deposit:	0	0.00	0	0.00	
	Total:	30	178,900.94	0	0.00	

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

**ASSETS**

	<u>Cash</u>	
06-100-000-010	General Checking - Fulton Bank	\$ 159,352.79
06-100-000-015	General Checking - Meridian Bank	125,179.50
06-100-000-020	General Checking - WIPP	386,658.68
06-106-000-002	Connection Fee Account	400,574.67
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA	<u>5,358,007.72</u>
	<b>Total Cash</b>	<b>6,429,773.36</b>
	<u>PSDLAF Investments:</u>	
06-109-000-003	CD Program	-
06-109-000-004	Full Flex	<u>188.21</u>
	<b>Total Investments</b>	<b>188.21</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	6,348.00
06-130-000-003	Due from UUT Capital Fund	-
06-130-000-004	Due from Solid Waste Fund	2,083.52
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>8,431.52</b>
	<u>Fixed Assets</u>	
06-162-000-001	Fixed Assets	1,806,280.72
06-162-000-050	Accumulated Depreciation	(503,893.76)
06-163-000-100	Phase II Construction Project (CIP)	<u>851,304.48</u>
	<b>Total Fixed Assets</b>	<b>2,153,691.44</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>\$ 10,478,811.15</b>

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

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	107,386.27
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	11,089.36
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	32,274.50
06-241-000-100	Retainage on Phase II Construction Project	22,861.00
06-245-000-000	Due to Customers	275.00
	<b>Total Current Liabilities</b>	<b>5,379,442.20</b>
<u>Equity</u>		
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	4,030,991.86
	Current Period Net Income (Loss)	314,876.74
	<b>Total Equity</b>	<b>5,099,368.95</b>
	Total Fund Balance	5,099,368.95
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 10,478,811.15</b>

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

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

	Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 (Audited)	Budget 2019
<b>REVENUES</b>					
06-340-000-000 Interest Income	36,981.41	80,000.00	46.2%	143,373.00	15,000.00
06-365-000-000 Usage Fees Residential	1,722,590.84	2,293,851.00	75.1%	2,197,145.00	2,139,571.00
06-365-000-001 Usage Fees Commercial	91,197.80	-	#DIV/0!	121,234.00	100,000.00
06-365-000-010 Connection Fees	51,570.72	1,622,250.00	3.2%	25,875.00	2,543,000.00
Grant revenue	6,348.00	-	#DIV/0!	-	-
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>\$ 1,908,688.77</b>	<b>\$ 3,997,101.00</b>	<b>47.8%</b>	<b>\$ 2,487,627.00</b>	<b>\$ 10,191,792.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration	213,192.64	273,821.00	77.9%	270,080.00	241,246.00
06-400-000-002 Authority Administrator	108,810.09	120,000.00	90.7%	128,347.00	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%	150.00	1,000.00
06-400-000-341 Advertising	1,299.45	5,000.00	26.0%	150.00	5,000.00
06-400-000-352 Insurance - Liability	4,111.96	5,370.00	76.6%	3,575.00	5,545.00
06-400-000-355 Bank Fees	91.00	650.00	14.0%	319.00	650.00
06-402-000-450 Audit Fees	5,800.00	5,450.00	106.4%	5,550.00	5,450.00
06-404-000-000 Legal Fees	4,622.00	25,000.00	18.5%	16,663.00	20,800.00
06-406-000-100 Utility Billing Costs	12,607.53	12,000.00	0.0%	12,217.00	10,000.00
06-408-000-000 Engineering Fees	362,259.49	175,000.00	207.0%	207,307.00	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	712,794.16	635,291.00	112.2%	644,358.00	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	12,666.43	15,000.00	84.4%	14,513.00	15,000.00
06-409-000-035 Insurance	12,335.84	11,078.00	111.4%	10,726.00	8,756.00
06-409-000-036 Electric	159,006.69	250,000.00	63.6%	233,860.00	250,000.00
06-409-000-037 Water	10,820.23	20,000.00	54.1%	19,150.00	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%	16,011.00	5,000.00
06-409-000-427 Waste Disposal	-	-	#DIV/0!	250.00	-
	194,829.19	326,078.00	59.7%	294,510.00	318,756.00
<u>Operations:</u>					
06-420-000-020 Supplies	20,726.56	50,000.00	41.5%	51,258.00	20,000.00
06-420-000-022 Chemicals	8,096.12	15,000.00	54.0%	9,539.00	15,000.00
06-420-000-023 Propane and Fuel Oil	2,839.06	5,000.00	56.8%	1,152.00	5,000.00
06-420-000-025 Maintenance & Repair	134,515.24	120,000.00	112.1%	110,708.00	120,000.00
06-420-000-030 Testing	26,847.40	35,000.00	76.7%	39,736.00	40,000.00
06-420-000-031 Pump & Haul	79,293.15	50,000.00	158.6%	70,632.00	50,000.00
06-420-000-032 Vegetation Management	5,895.00	20,000.00	29.5%	18,056.00	20,000.00
06-420-000-035 Permits	2,628.00	5,000.00	52.6%	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	139,986.50	150,000.00	93.3%	156,978.00	135,000.00
06-420-000-048 Misc expenses	289.00	10,000.00	2.9%	1,488.00	10,000.00
06-420-000-235 Vehicle Maintenance	-	2,000.00	0.0%	39.00	2,000.00
06-420-000-329 PA One Call	1,548.46	2,500.00	61.9%	1,254.00	2,500.00
	422,739.49	464,500.00	91.0%	463,466.00	427,000.00

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

**For the Period Ended October 31, 2020**  
*(Continued)*

		Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(Audited)</i>	Budget 2019
<b><u>Capital:</u></b>						
06-483-000-000	Capital Repair	94,658.53	50,000.00	189.3%	20,113.00	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%	101,079.00	50,000.00
		<b>94,658.53</b>	<b>1,650,000.00</b>	<b>5.7%</b>	<b>121,192.00</b>	<b>1,600,000.00</b>
<b>Total Expenditures before Operations Agreement and Transfers</b>		<b>\$ 1,425,021.37</b>	<b>\$ 3,075,869.00</b>	<b>46.3%</b>	<b>\$ 1,523,526.00</b>	<b>\$ 2,917,447.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ 483,667.40</b>	<b>\$ 921,232.00</b>	<b>52.5%</b>	<b>964,101.00</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!	280,631.00	369,213.00
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	103,660.91	237,494.00	43.6%	190,062.00	190,681.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	65,129.75	335,300.00	19.4%	48,198.00	-
		<b>168,790.66</b>	<b>572,794.00</b>	<b>29.5%</b>	<b>518,891.00</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>\$ 1,593,812.03</b>	<b>\$ 3,648,663.00</b>	<b>43.7%</b>	<b>\$ 2,042,417.00</b>	<b>\$ 3,477,341.00</b>
<b>OPERATING INCOME</b>		<b>\$ 314,876.74</b>	<b>\$ 348,438.00</b>	<b>90.4%</b>	<b>\$ 445,210.00</b>	<b>\$ 6,714,451.00</b>

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

*Month to Month Change in Receivables and Collections*

	<b>October 2020</b>	<b>September 2020</b>	<b>Change</b>
Beginning Receivable Balance	237,062.38	237,062.38	-
<u>Billings:</u>			
Calculated charges billed	2,260,902.07	1,608,618.84	652,283.23
Billing adjustments			-
Late payment penalty	83,653.02	83,653.02	-
Adjustments			-
	<hr/> 2,581,617.47	<hr/> 1,929,334.24	<hr/> 652,283.23
<u>Less:</u>			
<b>Collections*</b>	<b>1,813,460.70</b>	<b>1,750,438.35</b>	<b>(63,022.35)</b>
<b>Receivable balance, month end</b>	<b><hr/>768,156.77</b>	<b><hr/>178,895.89</b>	<b><hr/>589,260.88</b>

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

Upper Uwchlan Township Municipal Authority  
Sewer Billings

*Month to Month Change in Delinquent Accounts*

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

	10/31/2019	3/31/2020	4/30/2020	5/31/2020	6/30/2020	7/31/2020	8/31/2020	9/30/2020	10/31/2020
Number of delinquent accounts	133	134	291	99	160	138	194	162	145
Total delinquent balance	181,653	\$ 187,096	\$ 266,648	\$ 161,092	\$ 213,938	\$ 184,455	\$ 225,306	\$ 222,223	\$ 208,495

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

# **Clean Water, Inc.**

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

170 Dallas St.  
Box 475  
Atglen, Pa. 19310

November 19, 2020

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

RE: Report for the November meeting

Dear Authority,

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

## **Route 100**

We continue to spray and drip as permitted. Predoc was out to replace a check valve in the influent wet well that became inoperable. This valve prevents water from coming into the control building should the wet well become full. This involved confined space entry. The influent pump and motor mentioned last month have been returned to service. I have asked ARRO to put the second pump in the budget for next year.

## **Eaglepointe**

Plant is running well. Influent flows and loadings are on the rise. Recent BOD loadings exceeded 600mg/l. We continue with additional wasting and hauling as a result.

## **Marsh Harbour**

Plant is running fine. Spray continues as permitted. I have asked ARRO to again put the one original blower in the budget for replacement. Been in service since the beginning - 1989.

**Lakeridge**

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

**Saybrooke**

Facility is running fine. Predoc was out to clean the beds.

**Greenridge**

I have shut down drip for a time as lagoon levels were getting low. I also shut down the aerators as not to damage impellers. It won't take long to increase levels.

**St. Andrews**

Plant is running fine. Sludge was removed. The filters were raked and cleaned.

**Additional info**

The flow meters have begun to be calibrated by WG Malden as required on an annual basis.

That is all for now; please call with any questions. Have a safe and Happy Thanksgiving!

Respectfully,

Brian Norris



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

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## MEMORANDUM

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TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: November 19, 2020

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

### **Byers Station**

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

Installation of the gravity house service line to each new townhouse 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. ARRO received revised land development plans, dated October 8, 2020. ARRO reviewed the plans and had no additional comments to the sanitary sewer portions of the plans. ARRO reviewed the sanitary sewer escrow submitted on October 12, 2020 by Toll Brothers. ARRO prepared an October 13, 2020 letter to the Township stating it had no comments to the \$147,396.00 sanitary sewer escrow estimate. The project's preconstruction meeting was held on October 21, 2020. Work to clear and rough grade the site is expected to start at the beginning of November 2020. Sanitary sewer installation is not expected to start until February 2021.

Toll Brothers submitted the project's site sanitary sewer construction bond to the Township.

**Byers Station (6C), Vantage Point–Chester Springs:** The Developer's engineer submitted a request for 43 EDUs (9,500 gpd) of sanitary sewer capacity at the Route 100 WWTP facility. The Authority Administrator sent a February 20, 2018 letter to D. L. Howell stating there is sufficient capacity at the Route 100 WWTP facility for the proposed 9500 gpd from the project. ARRO reviewed the project's Sewage Facilities Planning Module (SFPM). The module shows a request for 45 EDUs (10,000 gpd) of sanitary sewer capacity. SFPM Component 3 Section G and J were signed. The Pennsylvania Historical and Museum Commission clearance letter and Aqua water service letter have been received for the Sewage Facilities Planning Module (SFPM). On April 18, 2018, the Township forwarded SFPM Components 4B and 4C to the Chester County Planning Commission and Health Department. ARRO reviewed Land Development Plans, plotted April 6, 2018, and submitted an April 30, 2018 letter to the Township containing comments to the Plans. The SFPM is complete and a resolution to accept the document was placed on the Board of Supervisors' August 20, 2018

agenda. The SFPM application package was submitted to PADEP. ARRO prepared a September 6, 2018 sanitary sewer review letter to the latest Land Development Plans submitted by D.L. Howell, last revised August 13, 2018. ARRO received on December 5, 2018 the latest Land Development Plans, last revised November 30. ARRO will submit a sanitary sewer review letter the week of December 10. ARRO prepared and sent to the Township a December 14, 2018 sanitary sewer review letter to the December 5, 2018 Land Development Plans. ARRO received and reviewed the sanitary sewer portion of land development plans Revision No. 3, dated June 21, 2019. The plans show a dedicated sanitary sewer manhole in Byers Road to be installed when the Byers Road sewer extension project is constructed. ARRO prepared and sent a July 5, 2019 review comments letter to the Township. PADEP issued a July 23, 2019 with three (3) items missing from the submitted SFPM. The Authority sent PADEP an August 23, 2019 letter in response to PADEP's July 23, 2019 letter containing three comments to the project's SFPM. The UUT Board of Supervisors at its September 16, 2019 meeting executed the amended Tentative Approval Decision to permit Parcel 6C to be developed as a senior living facility. PADEP issued a November 7, 2019 letter approving the Official Plan revision for the construction of the 101-unit retirement living apartment unit at 10,100 gpd sewage volume. ARRO reviewed the latest revision to the Vantage Point Retirement Living land development plans, dated December 6, 2019. ARRO issued a January 6, 2020 review comments letter to the Township. ARRO is reviewing the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020. 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.

**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. ARRO has communicated with the property owner's counsel and is preparing alternative sanitary sewer connection sketch designs for consideration. ARRO prepared an alternative sanitary sewer connection sketch design and on October 2, 2020 transmitted the sketch to the property owner and its counsel for consideration.

Nothing new to report.

### **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. Repair of an Ewing Tract – West Vincent gravity sewer

pipe defect is scheduled to be completed on Wednesday, July 29, 2020. The Ewing Tract – West Vincent gravity sewer pipe defect was repaired on July 29, 2020.

Nothing new to report.

### **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 SFPM is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO

reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. 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. On May 1, 2020 Ebert Engineering submitted initial plans for the Reserve at Eagle Pump Station Upgrade. ARRO transmitted a May 12, 2020 email to Ebert Engineering with review comments to Reserve at Eagle Pump Station Upgrade plans. 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. On June 25, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design that removed the Drip Filter Building, along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO transmitted comments on the documents to Ebert Engineering by email dated July 2, 2020. On July 15, 2020 E. B. Walsh submitted a revised Utility Coordination plan set to address previous ARRO comments. The plan set was primarily developed to coordinate information contained on various plans prepared by Ebert Engineering and the E. B. Walsh offices. ARRO is in the process of reviewing the revised plan set. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO is in the process of reviewing the revised plans. Gravity sanitary sewer installation continues, while low pressure sewer system shop drawings were submitted and reviewed in early August 2020. On July 24, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO is in the process of reviewing the revised documents. On July 21,

2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO reviewed the revised plans. ARRO transmitted an August 19, 2020 email to Ebert Engineering stating it had no further comments to the plans. ARRO transmitted a September 4, 2020 email to Ebert Engineering with review comments to the revised Fetter Drip Disposal System design along with the revised WQM Part 2 Permit Application and Design Engineers Report. ARRO submitted September 2, 2020 comments to the Ebert Engineering drawings of the rerouted Reserve at Eagle PS #1 force main around existing Manhole #500 necessary to facilitate the installation of new gravity sewer between the manhole and the pump station wetwell. The drawings were subsequently revised and approved by ARRO. Sanitary sewer and force main work at the Reserve at Eagle PS #1 was completed and tested. All sanitary sewer was completed and tested between the Reserve at Eagle PS #1 and the Toll/McKee model homes. House service lines at the four McKee model homes and the two Toll Brothers model homes were completed and tested.

Work continues on installation and testing of sanitary sewer and low-pressure sewer system mains.

### **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. ARRO prepared a June 19, 2020 letter accepting the final sanitary sewer design. The developer sent a July 21, 2020 email to ARRO stating they have submitted building construction permit applications for Greenridge Hall units and are awaiting permit issuance before continuing sanitary sewer installation. The email also said sanitary tanks and treatment units have been ordered. On August 19, 2020 ARRO requested the developer submit an updated project construction schedule. On September 16, 2020 ARRO again requested the developer submit an updated project construction schedule. On September 16, 2020 ARRO again requested the developer submit an updated project construction schedule.

On September 17, 2020 ARRO received an email from the developer's counsel in reply to the ARRO request for a construction schedule. Counsel wrote it would discuss the matter with the developer and one would return a response, which has yet to be received as of November 18, 2020.

**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.

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

Sanitary sewer televising was completed and submitted to ARRO for review and comment.

Installation of the gravity house service line to each new home continues.

### **Lakeridge**

ARRO is preparing an evaluation of the wastewater plant and sanitary sewer to assess the feasibility of connecting six (6) homes along Moore Road to the sanitary sewer system.

ARRO completed its evaluation of the wastewater plant and sanitary sewer. The wastewater plant has sufficient capacity, but an extension to the existing Moore Road sanitary sewer will need to be constructed.

**Marsh Harbour**

Nothing new to report.

**Reserve at Eagle**

Nothing new to report.

**Route 100 WWTP**

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to rerate the fields for additional capacity. ARRO engaged a sub-consultant to review the existing disposal field design records, the Route 100 WWTP SBR discharge limits and ARRO study findings. ARRO received the sub-consultant's report and is reviewing the findings. ARRO prepared a revised Route 100 Regional WWTP allocated treatment and disposal capacity summary. Based on an ARRO search and mapping study conducted in late 2016 for new disposal sites within and near the Township ARRO is evaluating a parcel on South Chester Springs Road to propose how the land could be subdivided and will be preparing an estimate of disposal capacity that would be available in the subdivided areas. ARRO evaluated a parcel on South Chester Springs Road to propose how the land could be subdivided and prepared an estimate of disposal capacity that would be available in the subdivided areas. ARRO found two potential 18-acre drip field areas on the parcel each with an average estimated capacity of 100,000 gallons per day. ARRO 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 submitted the 2020 Route 100 Regional WWTP groundwater monitoring report to PADEP on June 19, 2020.

ARRO continues basic Act 537 planning work.

ARRO started work on the Route 100 Regional WWTP WQM permit renewal application. Act 14 notifications were prepared and sent the Upper Uwchlan Township Board of Supervisors and the Chester County Planning Commission by letters dated July 15, 2020. On August 6, 2020 ARRO received a Determination of Consistency letter from the Chester County Planning Commission in response to the Act 14 notification letter. ARRO has started preparation of the 5-Year Comprehensive Groundwater Monitoring Report for inclusion within the WQM permit renewal application. ARRO completed preparation of the 5-Year Comprehensive Groundwater Monitoring Report on September 3, 2020 for inclusion within the WQM permit renewal application. ARRO completed preparation of the WQM permit renewal draft application. The application needs to be signed by the Authority Administrator before being sent to PADEP.

ARRO completed the WQM permit renewal application and sent it to PADEP on October 30, 2020.

### **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. ARRO received a July 17, 2020 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional WWTP Phase III project. ARRO is in the process of reviewing the documents. On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings.

On November 4, 2020 Ebert Engineering submitted to ARRO a revised Route 100 Regional WWTP Phase III WQM Part 2 permit application with revised upgrade design drawings for review and comment. ARRO is in the process of reviewing the documents.

### **Saybrooke**

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

ARRO submitted the 2020 Saybrooke WWTP groundwater monitoring report to PADEP on June 19, 2020.

Nothing new to report.

### **St. Andrews Brae**

Nothing new to report.

**Upland Farms**

ARRO is preparing plans and specifications for a low-pressure grinder pump and force main for the Barn Renovation project. ARRO estimated the purchase of 1 EDU would be required for the barn's intended uses.

ARRO is attempting to obtain from PADEP a planning module exemption for the proposed barn sewer connection.

**Waynebrook**

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. At the request of Toll Brothers as part of dedication, on July 22, 2020 ARRO observed the condition of the site sanitary manholes and will prepare a punchlist of work that needs to be completed before acceptance of the sanitary sewer system. ARRO prepared and submitted to Toll Brothers an August 12, 2020 email with a punchlist of work that needs to be completed before acceptance of the sanitary sewer system. Toll Brothers' contractor completed the punchlist of work that needed to be completed before acceptance of the sanitary sewer system. On August 26, 2020 ARRO observed the repairs done to the sanitary sewer system. ARRO is in the process of reviewing the final sanitary sewer televising.

On November 8, 2020, Toll Brothers submitted the sanitary sewer record drawings. ARRO reviewed the drawings and transmitted comments back to Toll on November 12, 2020.

**Village of Eagle**

**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 (DCED) 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 DCED 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 DCED 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 prepared a PennDOT HOP permit extension for the project. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. DCED awarded a \$463,000 grant for the Byers Road Sanitary Sewer Extension project. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is in communication with DCED regarding proceeding to the bid phase of the project. The DCED grant agreement has been signed.

ARRO contacted DCED and they have no issues with bidding the Route 100 sewer crossing as an alternate. Project bid advertising is tentatively set for December 2020 with a January 2021 bid opening.

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. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is working on completing the design drawings and specifications for the project. On September 18, 2020 planning module approval was received from PADEP.

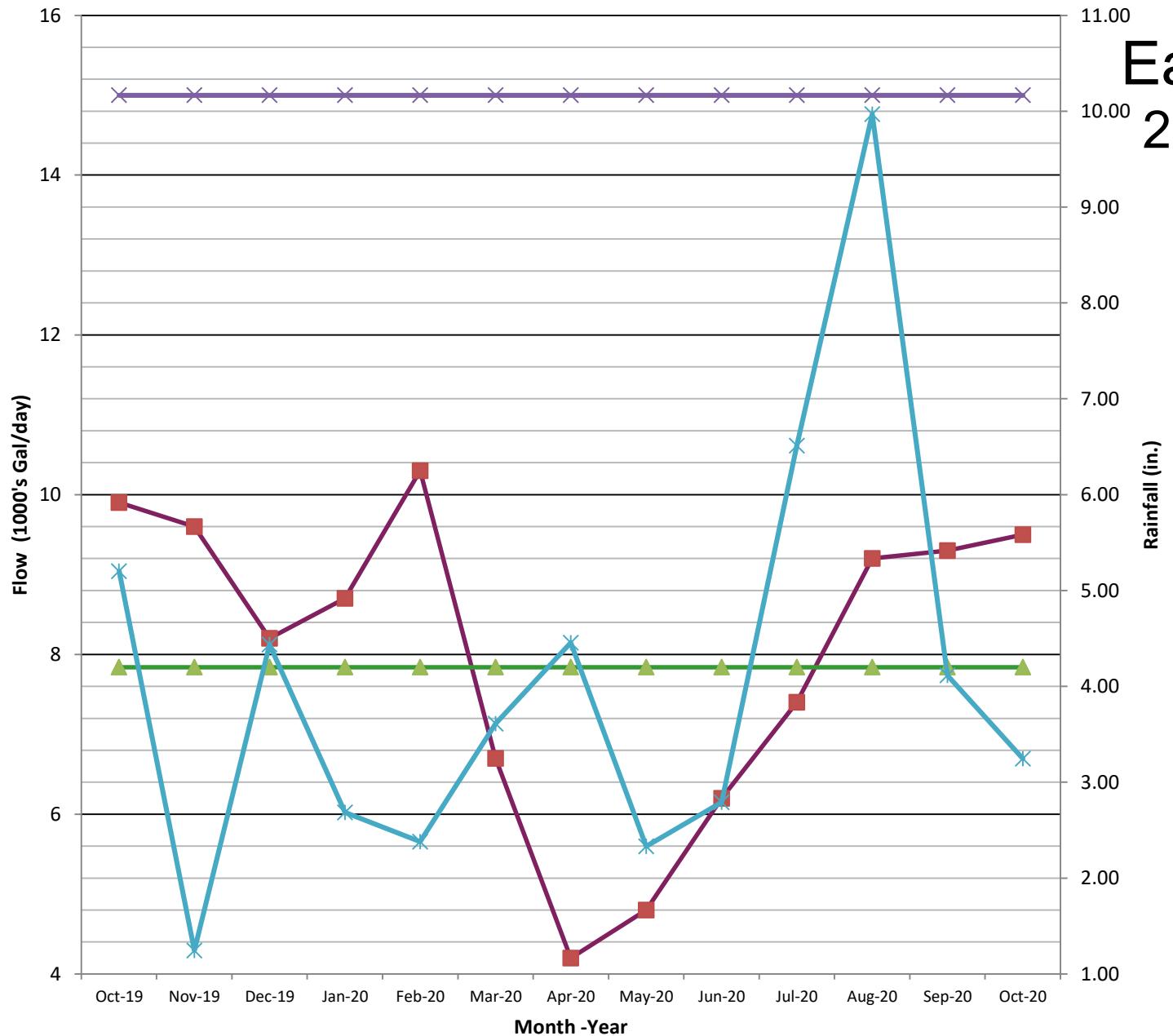
ARRO is continuing to prepare the WQM Part 2 permit for the proposed pump station as well as the plans and specifications.

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

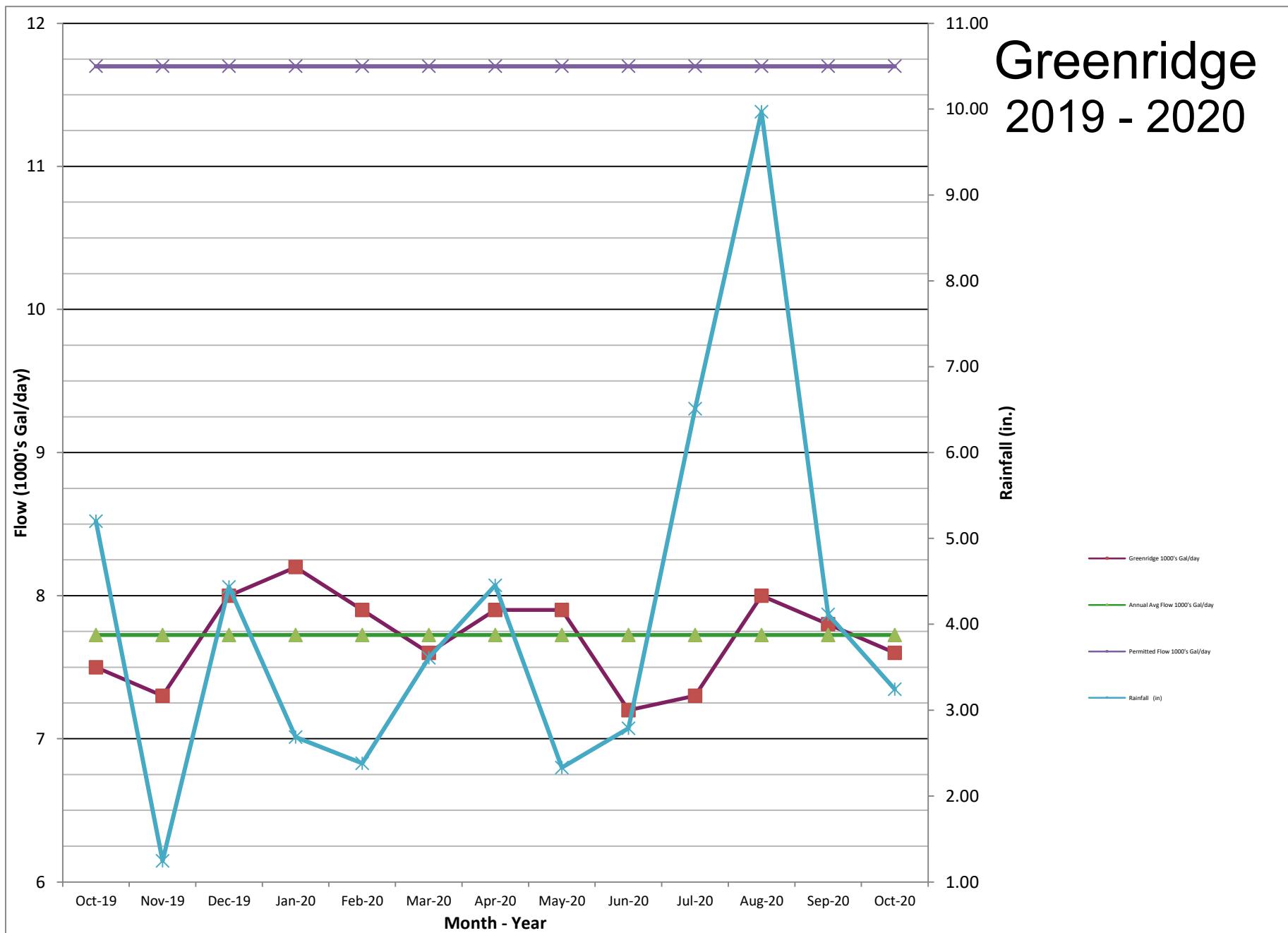
**UPPER UWCHLAN MUNICIPAL AUTHORITY**  
**WASTEWATER TREATMENT PLANTS**  
**MONTHLY AVERAGE DAILY FLOWS**

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
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
Jun-20		0.00620	0.00720	0.02550	0.04230	0.36630	0.00730	0.00140	2.79
Jul-20		0.00740	0.00730	0.02520	0.04070	0.37140	0.00730	0.00120	6.51
Aug-20		0.00920	0.00800	0.02790	0.03970	0.36050	0.00830	0.00130	9.97
Sep-20		0.00930	0.00780	0.02510	0.03830	0.35520	0.00800	0.00110	4.12
Oct-20		0.00950	0.00760	0.02770	0.04120	0.37900	0.00800	0.00190	3.25
<b>Annual Avg Flow =</b>		<b>0.00784</b>	<b>0.00773</b>	<b>0.02638</b>	<b>0.04188</b>	<b>0.36344</b>	<b>0.00760</b>	<b>0.00203</b>	
<b>Permitted Flow =</b>		<b>0.01500</b>	<b>0.01170</b>	<b>0.04000</b>	<b>0.07600</b>	<b>0.60000</b>	<b>0.00920</b>	<b>0.00360</b>	

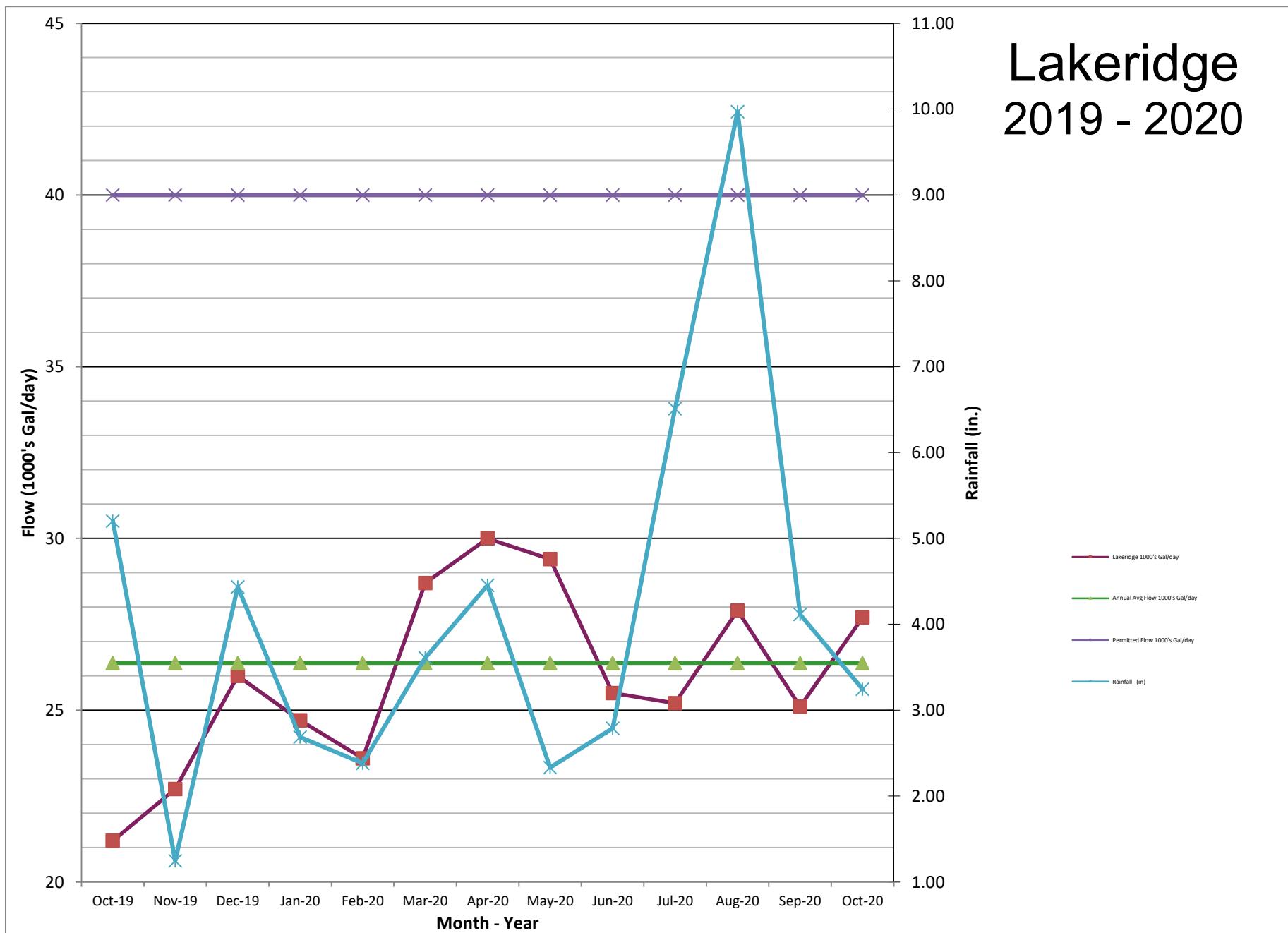
# Eaglepointe 2019 - 2020



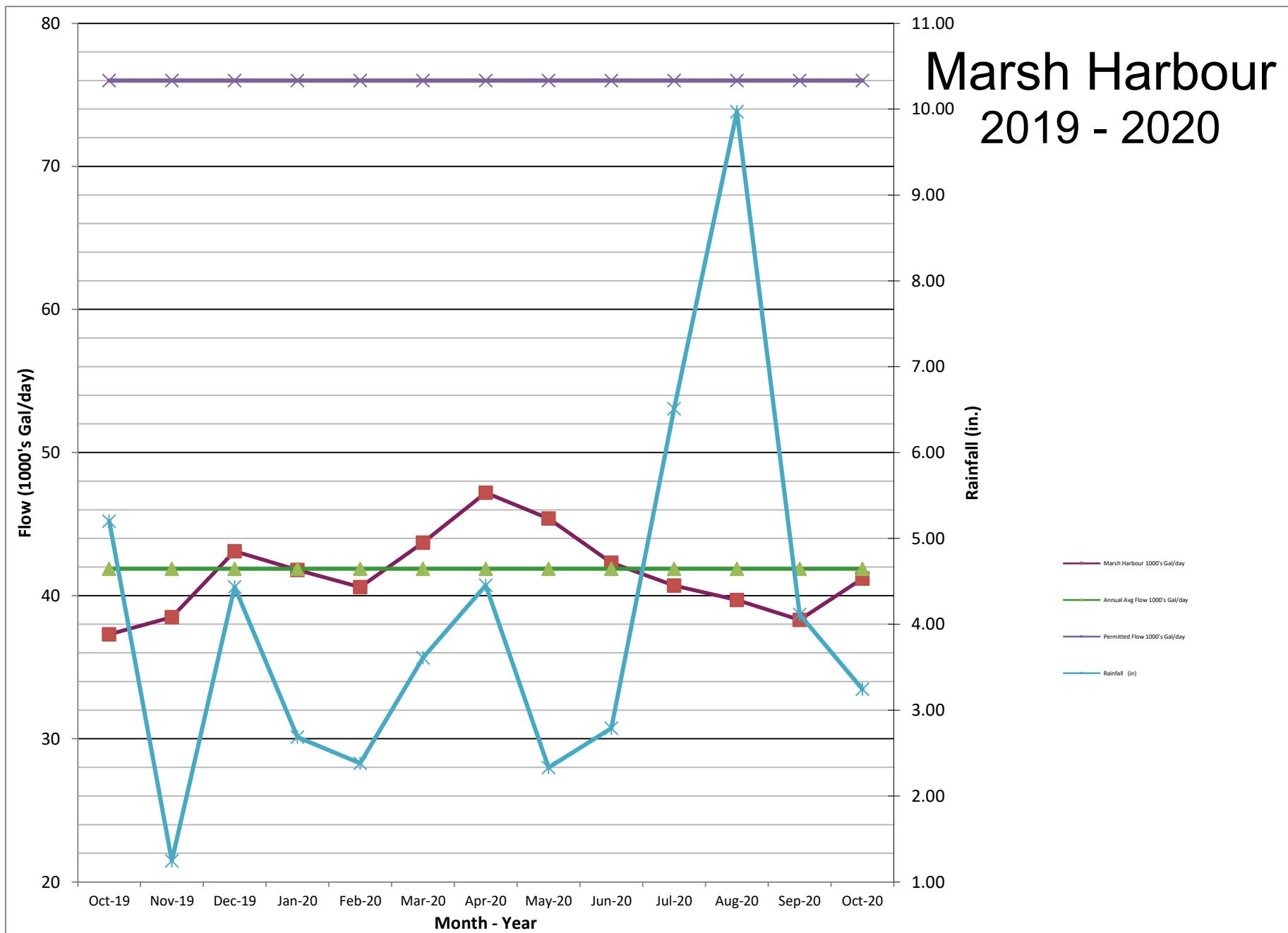
# Greenridge 2019 - 2020



# Lakeridge 2019 - 2020

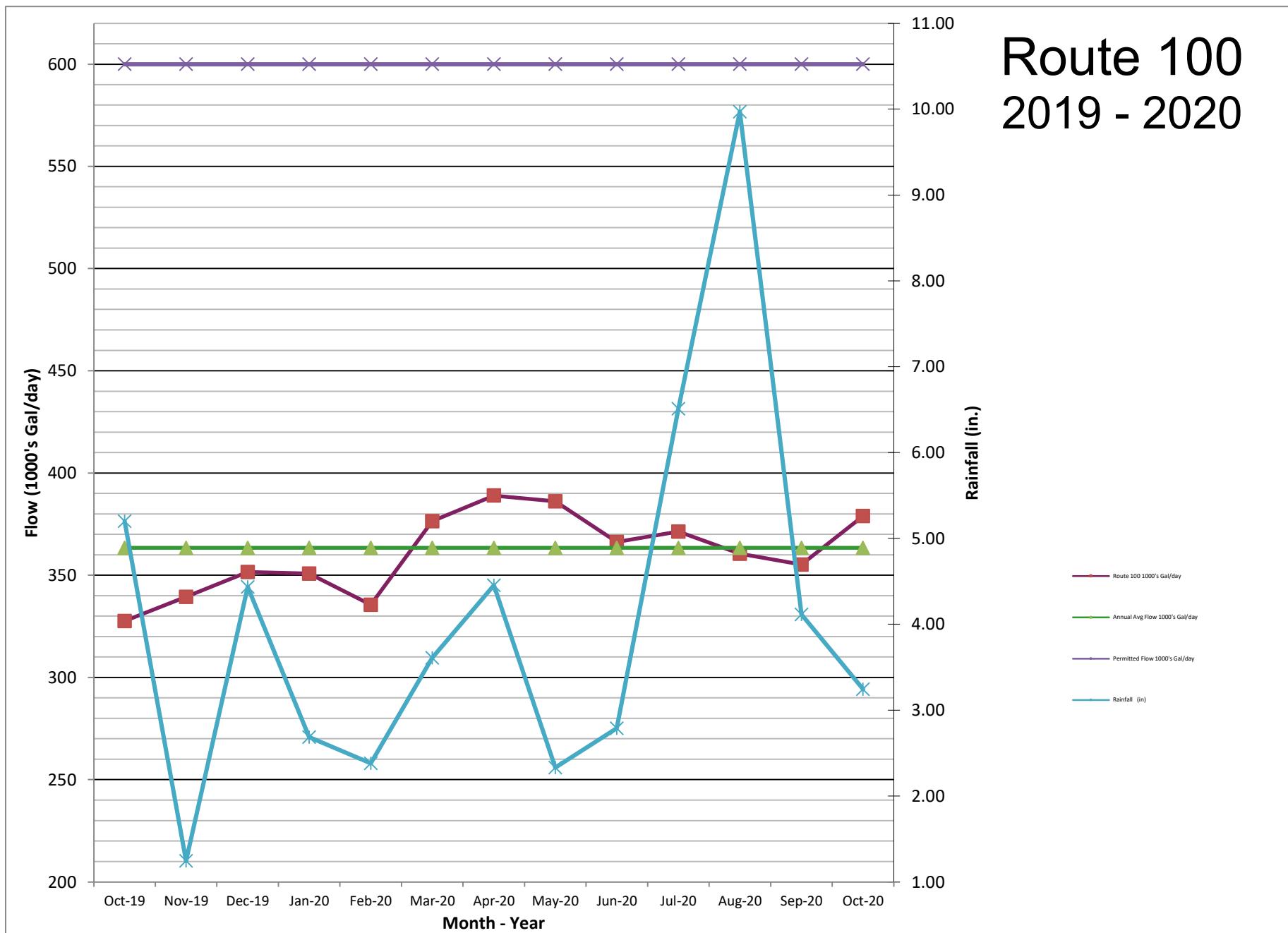


# Marsh Harbour 2019 - 2020

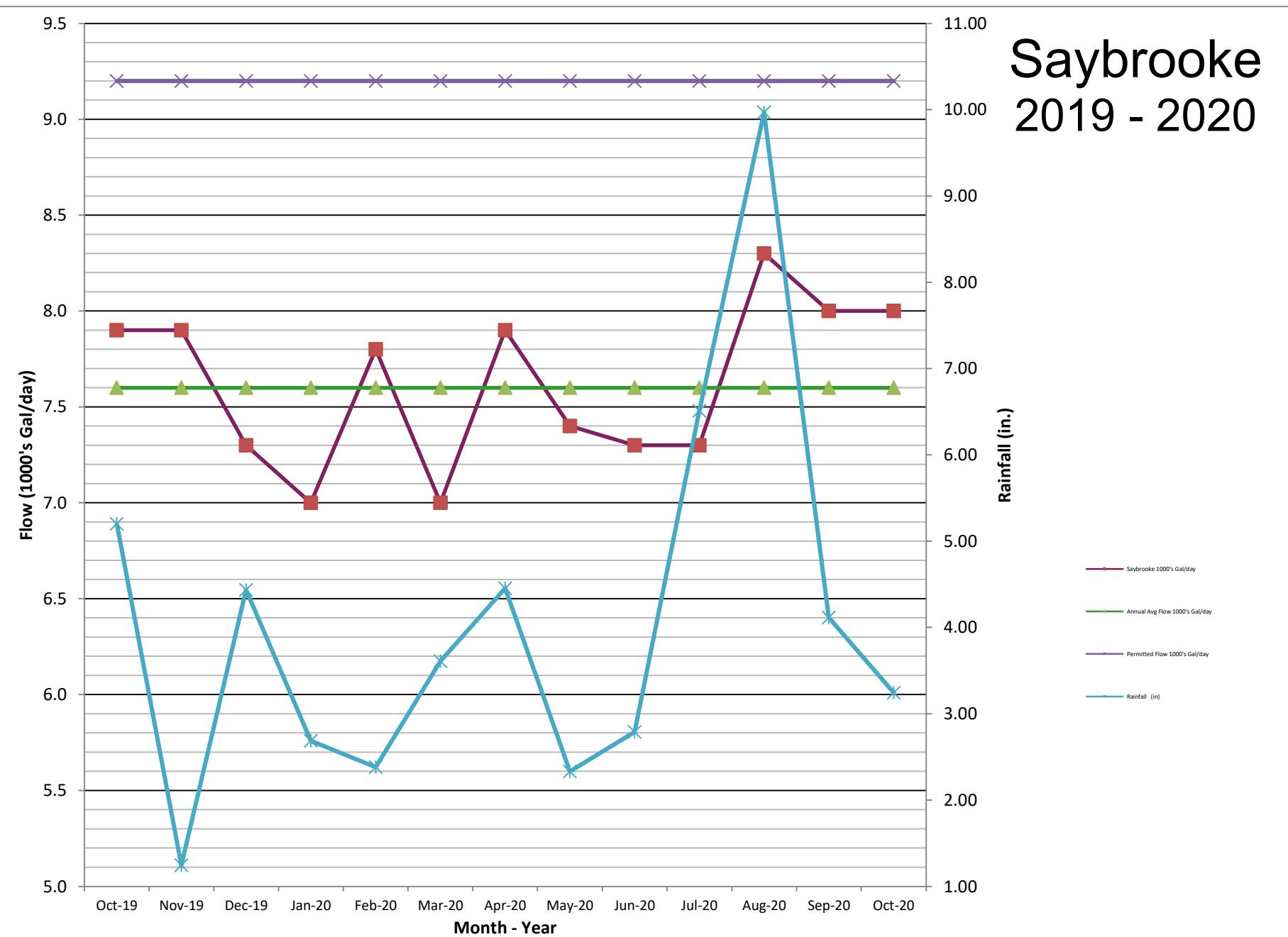


# Route 100

## 2019 - 2020

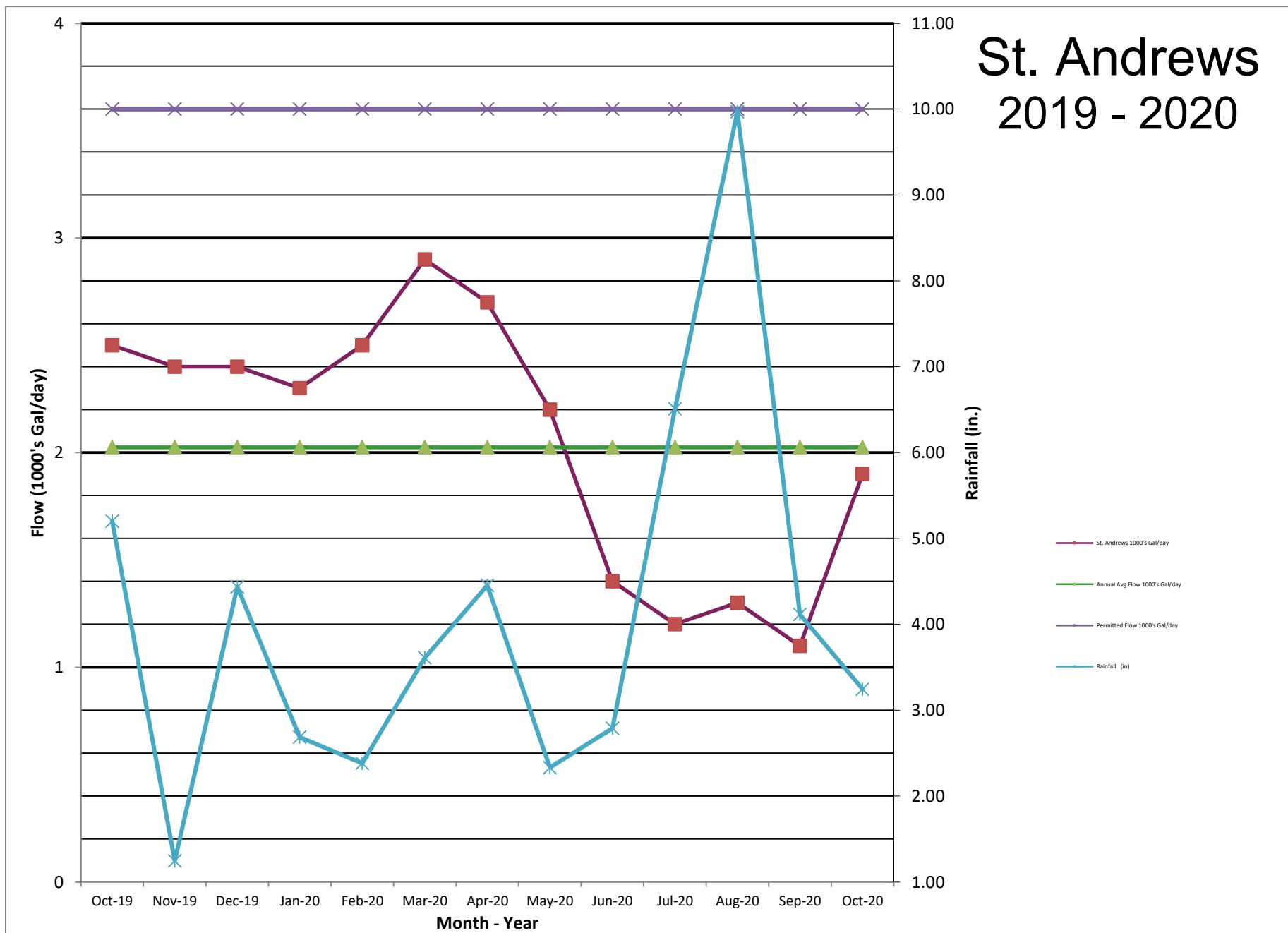


# Saybrooke 2019 - 2020



# St. Andrews

## 2019 - 2020





To: Municipal Authority Members

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

Re: Authority Administrator's Report

Date: November 20, 2020

Activities for the month include:

- A. Communication with WWTF Operator and Township Staff regarding operational and maintenance issues. (22.5 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Communication with residents regarding septic system issues and possible connection to the sanitary sewer system. Inquiries included Byers Road (outside of the current project), Font Road, Stonehedge and Orchard Valley Road. (2.0 hours)
- D. Communication with McKee engineer and ARRO regarding Phase III design of the Route 100 WWTF, collection system and disposal system and connection of Toll portion of the project. (4.0 hours)
- E. Communication with the Township and ARRO regarding the Sunoco pipeline through Meadow Creek including attendance at two virtual meetings, responses to questions from the public, two site visits to inspect area to respond to questions asked by residents at the virtual meetings, preparation/collation of information for Township use (hydrogeologic mapping and groundwater monitoring data from County and PADEP), review of design information for the Greenridge WWTF upgrade and Meadow Creek Drive sewer line location. (24.5 hours)
- F. Communication with ARRO and Township PWD and WWTF Operator regarding 2021 Capital Budget preparation including site visit to Eaglepointe WWTF to review recommendation. (2.0 hours)
- G. Review of sewer rates including an adjustable rate depending on type of residence in preparation for the 2021 draft Operating Budget. (4.0 hours)
- H. Communication with real estate and title companies regarding the upcoming connection to the public sewer on Byers Road. (1.0 hours)
- I. Communication with ARRO regarding the Byers Road extension and development connection. (1.0 hours)

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



## **OCTOBER 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.
- Frank Rawson has left his position at UUT. We are searching for a new employee for that position. The stations are still being checked and any necessary work is still being done by others in the department.

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

**Complete:**

- Rte. 100 WWTP
  - General cleaning
  - Site checks
  - Checked heaters
- Byers Station Effluent PS
  - General cleaning of station
  - Checked heater
- Byers Station Influent PS
  - Checked heater
  - General cleaning of station
  - Site checks
- Ewing PS
  - General cleaning of station
  - Checked heater
  - Site checks

- **Ewing West Vincent PS**
  - General cleaning of station
  - Site checks
- **Ewing Tract Effluent Disposal System**
  - Site checked
- **Eagle Hunt**
  - General cleaning of this location
  - Checked heater
  - Site checks
- **Windsor Ridge**
  - Checked heater
  - Site checks
  - Lubed locks
- **Saybrooke WWTP**
  - Site checks
  - General cleaning of station
  - Cleaned and checked heater for winter use
- **Seabury**
  - Site check
- **Yarmouth PS1**
  - Site checked
- **Yarmouth PS2**
  - Site checks
  - Lubricated locks
- **St Andrews Brae**
  - General cleaning of station
  - Site checks
  - ROOF NEEDS REPLACED Small shed
- **St Andrews Brae PS (at St Andrews intersection)**
  - Site checks
- **Reserve Lagoon**
  - Site checks
  - General cleaning of station
- **Reserve at Eagle PS1**
  - Site checks
- **Reserve at Eagle PS 2**

- Site checks
  - General cleaning of station
- **Upland Farms PS/ Reserve at Waynebrook**
  - Site checks
  - Cleaned facility
- **Greenridge**
  - Site checks
- **Stonehedge**
  - Checked heater
  - Site checks
- **Marsh Harbour WWTP**
  - Site checks
  - General cleaning and trash removal
- **Marsh Harbour PS**
  - General cleaning and trash removal
  - Site checks
- **Meadowcreek**
  - Site checks
- **Eaglepointe**
  - Trash collection and cleaning
  - Site checks
- **Heron Hill PS**
  - Site check
  - Lubed locks
- **Lakeridge WWTP**
  - General cleaning and trash removal
- **Lakeridge Pump Station**
  - Site checks
  - General cleaning and trash removal
- **Eagle Farms Rd PS (WV)**
  - Site checks
  - General cleaning of station
- **Little Conestoga Rd PS**
  - Cleaned facility
- **Eagle Manor PS (Dorothy Ln)**

- There are currently no work orders for this facility.
- Garrison Dr. (spray field pump station #1)
  - Site checked
  - Cleaned trash from spray fields
- Garrison Dr. (spray field pump station #2)
  - Site checked
- **Public Works continues to respond to Pa 1-calls. UUT responded to 106 PA 1-Call tickets during the month.**

Respectfully submitted,

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

**Upper Uwchlan Municipal Authority  
2020 BUDGET and FIVE YEAR PROJECTION**

	2018 Actual (audited)	2019 Actual (audited)	YTD 2020 (thru 10/31)	2020			2021 Budget	2022 Budget	2023 Budget	2024 Budget	2025 Budget
	Budget	\$ Over Budget		% of Budget							
<b>Income</b>											
<b>300 Revenues</b>											
06-340-000-000 Interest Income	17,267	143,373	36,981	80,000	(43,019)	-54%	43,500	60,000	50,000	50,000	30,000
06-365-000-000 Usage Fees - Residential	2,140,967	2,197,145	1,722,591	2,293,851	(571,260)	-25%	2,250,000	2,420,011	2,535,531	2,558,331	2,565,931
06-365-000-001 Usage Fees - Commercial	91,041	121,234	91,198	-	91,198	#DIV/0!	100,000	100,000	100,000	120,000	120,000
06-365-000-010 Connection Fees	31,256	25,875	51,571	1,622,250	(1,570,679)	-97%	4,677,750	2,315,250	819,000	157,500	157,500
Grant Revenue							465,000	-	-	-	-
06-370-000-000 Misc Revenue	-		6,348	1,000	5,348	535%	1,000	1,000	1,000	1,000	1,000
06-393-000-100 Proceeds from Long Term Debt	-	-	-	-	0%		-	-	-	-	-
06-395-000-000 Refund of Prior Year Expenditures	-	-	-	-	0%		-	-	-	-	-
06-395-000-100 Transfer from Sewer Fund	-	-	-	-	0%		-	-	-	-	-
<b>Total Income</b>	<b>2,280,531</b>	<b>2,487,627</b>	<b>1,908,689</b>	<b>3,997,101</b>	<b>(2,088,412)</b>	<b>#DIV/0!</b>	<b>7,537,250</b>	<b>4,896,261</b>	<b>3,505,531</b>	<b>2,886,831</b>	<b>2,874,431</b>
<b>Expense</b>											
<b>General</b>											
06-400-000-001 Administration	211,283	270,080	213,193	273,821	(60,628)	-22%	264,736	272,678	280,858	289,284	297,963
06-400-000-002 Authority Administrator	121,855	128,347	108,810	120,000	(11,190)	-9%	120,000	120,000	100,000	103,000	106,090
06-400-000-003 Professional Fees	7,533	-		12,000	(12,000)	-100%	5,000	12,000	13,000	14,000	14,000
06-400-000-200 Admin Supplies	-	150		1,000	(1,000)	-100%	1,000	1,030	1,061	1,093	1,126
06-400-000-341 Advertising	3,408	150	1,299	5,000	(3,701)	-74%	3,000	2,000	2,000	2,000	2,000
06-400-000-352 Insurance - Liability	4,661	3,575	4,112	5,370	(1,258)	-23%	5,370	5,531	5,697	5,868	6,044
06-400-000-355 Bank Fees	205	319	91	650	(559)	-86%	650	650	650	650	650
06-402-000-450 Audit Fees	5,300	5,550	7,300	5,450	1,850	34%	7,500	5,600	5,750	5,900	6,050
06-404-000-000 Legal Fees	15,202	16,663	4,622	25,000	(20,378)	-82%	25,000	25,000	25,000	25,000	25,000
06-406-000-100 Utility Billing Costs	8,079	12,217	12,608	12,000	608	5%	13,000	13,000	13,000	13,000	13,000
06-408-000-000 Engineering Fees	127,632	207,307	362,259	175,000	187,259	107%	150,000	150,000	150,000	150,000	150,000
<b>Total General Expenses</b>	<b>505,158</b>	<b>644,356</b>	<b>714,294</b>	<b>635,291</b>	<b>79,003</b>	<b>12%</b>	<b>595,256</b>	<b>607,489</b>	<b>597,016</b>	<b>609,795</b>	<b>621,922</b>
<b>Building Expenses</b>											
06-409-000-031 Lawn Care	1,194	-	-	5,000	(5,000)	-100%	5,000	5,000	5,000	5,000	5,000
06-409-000-032 Telephone	14,923	14,513	12,666	15,000	(2,334)	-16%	15,000	15,000	15,000	15,000	15,000
06-409-000-035 Insurance - Property	6,974	10,726	12,336	11,078	1,258	11%	15,000	15,750	16,538	17,364	18,233
06-409-000-036 Electric	250,538	233,860	159,007	250,000	(90,993)	-36%	250,000	250,000	250,000	250,000	250,000
06-409-000-037 Water	11,628	19,150	10,820	20,000	(9,180)	-46%	20,000	20,000	20,000	20,000	20,000
06-409-000-052 Building Maintenance & Repair	1,514	-	-	10,000	(10,000)	-100%	10,000	10,000	10,000	10,000	10,000
06-409-000-260 Building Supplies and Small Tools	259	16,011	-	15,000	(15,000)	-100%	15,000	15,000	15,000	15,000	15,000
06-409-000-427 Waste Disposal	-	250	-	-	-	-	-	-	-	-	-
<b>Total Building Expenses</b>	<b>287,030</b>	<b>294,510</b>	<b>194,829</b>	<b>326,078</b>	<b>(131,249)</b>	<b>-40%</b>	<b>330,000</b>	<b>330,750</b>	<b>331,538</b>	<b>332,364</b>	<b>333,233</b>
<b>Operations</b>											
06-420-000-020 Supplies	19,287	51,258	20,727	50,000	(29,273)	-59%	50,000	50,000	50,000	50,000	50,000
06-420-000-022 Chemicals	10,680	9,539	8,096	15,000	(6,904)	-46%	15,000	20,000	20,000	20,000	20,000
06-420-000-023 Propane & Fuel Oil	4,649	1,152	2,839	5,000	(2,161)	-43%	5,000	5,000	5,000	5,000	5,000
06-420-000-025 Maintenance & Repair	98,619	110,708	134,515	120,000	14,515	12%	120,000	120,000	120,000	120,000	120,000
06-420-000-030 Testing	42,973	39,736	26,847	35,000	(8,153)	-23%	35,000	35,000	35,000	35,000	35,000
06-420-000-031 Pump and Haul	50,600	70,632	79,293	50,000	29,293	59%	60,000	45,000	40,000	40,000	40,000
06-420-000-032 Vegetation Management	10,228	18,056	5,895	20,000	(14,105)	-71%	20,000	20,000	20,000	20,000	20,000
06-420-000-035 Permits	3,768	2,616	2,628	5,000	(2,372)	-47%	5,000	5,000	5,000	5,000	5,000
06-420-000-042 Dues and Memberships	2,100	10	75	-	75	#DIV/0!	-	-	-	-	-
06-420-000-045 Contracted Services	142,952	156,978	139,987	150,000	(10,014)	-7%	150,000	150,000	150,000	150,000	150,000
06-420-000-046 Misc Expenses	27,070	1,488	289	10,000	(9,711)	-97%	10,000	10,000	10,000	10,000	10,000
06-420-000-235 Vehicle Maintenance	3,910	39	-	2,000	(2,000)	-100%	2,000	2,000	2,000	2,000	2,000
06-420-000-329 PA One Call	1,541	1,254	1,548	2,500	(952)	-38%	2,500	2,500	2,500	2,500	2,500
<b>Total Operations</b>	<b>418,377</b>	<b>463,466</b>	<b>422,739</b>	<b>464,500</b>	<b>(41,761)</b>	<b>-9%</b>	<b>474,500</b>	<b>464,500</b>	<b>459,500</b>	<b>459,500</b>	<b>459,500</b>

**Upper Uwchlan Municipal Authority  
2020 BUDGET and FIVE YEAR PROJECTION**

	2018 Actual (audited)	2019 Actual (audited)	YTD 2020 (thru 10/31)	2020 Budget	\$ Over Budget	% of Budget	2021 Budget	2022 Budget	2023 Budget	2024 Budget	2025 Budget
06-483-000-000 Capital Repair	-	20,113	94,659	50,000	44,659	89%	100,000	100,000	100,000	50,000	50,000
06-483-000-100 Capital Construction	-	-	-	1,500,000	-	0%	2,700,000	3,250,000	-	-	-
06-492-000-000 Start Up Costs	-	-	-	-	-	0%	-	-	-	-	-
06-493-000-083 Depreciation	87,514	101,079	-	100,000	(100,000)	-100%	100,000	100,000	100,000	100,000	100,000
<b>Total Misc. Expenses</b>	<b>87,514</b>	<b>121,192</b>	<b>94,659</b>	<b>1,650,000</b>	<b>(55,341)</b>	<b>-3%</b>	<b>2,900,000</b>	<b>3,450,000</b>	<b>200,000</b>	<b>150,000</b>	<b>150,000</b>
06-492-000-020 Transfer to Water Resource Protection Fu Tapping Fee Reimbursement	-	-	-	-	-	0%	-	-	-	-	-
	-	-	-	-	-	0%	-	-	-	-	-
	-	-	-	-	-	#DIV/0!	-	-	-	-	-
<b>Total Expenses</b>	<b>1,298,079</b>	<b>1,523,526</b>	<b>1,426,521</b>	<b>3,075,869</b>	<b>(1,649,348)</b>	<b>-54%</b>	<b>4,299,756</b>	<b>4,852,739</b>	<b>1,588,054</b>	<b>1,551,659</b>	<b>1,564,655</b>
<b>Net Income before Operations Agreement</b>	<b>982,452</b>	<b>964,101</b>	<b>482,167</b>	<b>921,232</b>	<b>(439,065)</b>	<b>-48%</b>	<b>3,237,494</b>	<b>43,522</b>	<b>1,917,477</b>	<b>1,335,172</b>	<b>1,309,776</b>
Other											
06-471-000-010 Operations Mgt Agree-2014 Bonds	364,339	280,631	-	-	-	#DIV/0!	-	-	-	-	-
06-471-000-020 Operations Mgt Agree-2019 Bonds	-	190,062	103,661	237,494	(133,833)	-56%	236,744	235,994	235,244	239,344	238,294
06-471-000-030 Operations Mgt Agree-2019A Bonds	-	48,198	65,130	335,300	(270,170)	0%	336,200	337,000	332,700	334,475	331,175
<b>Total Other</b>	<b>364,339</b>	<b>518,891</b>	<b>168,791</b>	<b>572,794</b>	<b>(404,003)</b>	<b>-71%</b>	<b>572,944</b>	<b>572,994</b>	<b>567,944</b>	<b>573,819</b>	<b>569,469</b>
<b>Net Income after Operations Agreement</b>	<b>618,113</b>	<b>445,210</b>	<b>313,377</b>	<b>348,438</b>	<b>(35,061)</b>	<b>-10%</b>	<b>2,664,550</b>	<b>(529,472)</b>	<b>1,349,533</b>	<b>761,353</b>	<b>740,307</b>

**Upper Uwchlan Township Municipal Authority  
2021 Capital Budget Equipment Replacement Recommendations**

The following are recommendations for replacement or maintenance of equipment and facilities for the year 2021 for each of the wastewater treatment systems maintained by the Township.

**Eaglepointe Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
<b>Total Estimated Cost:</b>							<b>\$0.00</b>

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2021 at this wastewater system.

**Greenridge Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
<b>Total Estimated Cost:</b>							<b>\$0.00</b>

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2021 at this wastewater system.

**Lakeridge Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Ivy Stone Drive televising investigation and repairs of mains. <sup>1</sup>				1	LS	\$25,000.00	\$25,000.00
<b>Total Estimated Cost:</b>							<b>\$25,000.00</b>

**Notes:**

1. Department of Public Works noted depressions of roadway estimated cost of televising investigation and repairs of mains. Cost estimated, may change upon closer inspection.

**Upper Uwchlan Township Municipal Authority  
2021 Capital Budget Equipment Replacement Recommendations**

The following are recommendations for replacement or maintenance of equipment and facilities for the year 2021 for each of the wastewater treatment systems maintained by the Township.

**Marsh Harbour Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Replace SBR Blower <sup>1</sup>				1	LS	\$11,200.00	\$11,200.00
<b>Total Estimated Cost:</b>							<b>\$11,200.00</b>

**Notes:**

1. Estimated Cost as provided by the Department of Public Works.

**Meadow Creek Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
<b>Total Estimated Cost:</b>							<b>\$0.00</b>

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2021 at this wastewater system.

**Route 100 Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Wet well coating (Spray Roq-125 mil thickness) <sup>1</sup>				300	SF	\$18.50	\$5,550.00
Spare pump for remote pump stations <sup>2</sup>				3	LS	\$11,100.00	\$33,300.00
Rebuild/replace second influent pump <sup>1</sup>				1	LS	\$9,800.00	\$9,800.00
Storage lagoon aeration <sup>3</sup>				1	LS	\$160,000.00	\$160,000.00
<b>Total Estimated Cost:</b>							<b>\$208,650.00</b>

**Notes:**

1. Surface area is approximate and may change upon closer inspection.
2. Spare pumps are required at the Windsor Ridge, Ewing West Vincent, and Reserve at Eagle pump station. Estimated cost per WWTP Operator.
3. WWTP Operator requested considering floating aerators in storage lagoon.

**Upper Uwchlan Township Municipal Authority  
2021 Capital Budget Equipment Replacement Recommendations**

The following are recommendations for replacement or maintenance of equipment and facilities for the year 2021 for each of the wastewater treatment systems maintained by the Township.

**Saybrooke Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
<b>Total Estimated Cost:</b>							<b>\$0.00</b>

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2021 at this wastewater system.

**St. Andrew's Brae Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
<b>Total Estimated Cost:</b>							<b>\$0.00</b>

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2021 at this wastewater system.

**Summary Capital Budget Replacement Costs**

	2021	2022
<b>UUTMA Wastewater Facility Equipment Recommendations</b>		
Eaglepointe Wastewater System	\$0.00	
Greenridge Wastewater System	\$0.00	
Lakeridge Wastewater System	\$25,000.00	
Marsh Harbour Wastewater System	\$11,200.00	
Meadow Creek Wastewater System	\$0.00	
Route 100 Wastewater System	\$208,650.00	
Saybrooke Wastewater System	\$0.00	
St. Andrew's Brae Wastewater System	\$0.00	
Act 537 Plan Update (remaining)	\$38,000.00	
Byers Road Sanitary Sewer Extension (less H2O Grant)	\$785,000.00	
Milford Farms Sanitary Sewer Extension *	\$700,000.00	\$2,000,000.00
Meadow Creek Sanitary Sewer Extension *	\$750,000.00	\$1,250,000.00
<b>Miscellaneous Budgetary Items</b>		
System - UCC Code Updates	\$30,000.00	
Capital Equipment Purchases shared with Twp.	\$55,900.00	
System - Misc. Capital Purchases	\$35,000.00	
<b>Total Cost:</b>	<b>\$2,638,750.00</b>	

Notes: Capital Maintenance is defined by unanticipated or extraordinary expenses or equipment failure.

\* Duration of project extends over two calendar years