



AGENDA

July 27, 2021

7:30 p.m.

LOCATION:

This meeting will be held **virtually**. Any member of the public interested in participating in the meeting should email the Township at authority@upperuwchlan-pa.gov for a link and a password to join in the meeting. If you require special accommodation, please call the Township office at 610-458-9400.

	Packet Page #
I. Call to Order	
II. Approval of Minutes: June 22, 2021	2
III. Approval of Payments: July 2021	4
IV. Treasurer's Report	11
V. Authority Administration Reports	
A. Clean Water, Inc. Monthly Report	17
B. ARRO Consulting Monthly Report	19
C. Authority Administrator's Report	46
D. Public Works Department Report	47
VI. Open Session	
VII. Next Meeting Date: August 24, 2021 ~ 7:30 p.m.	
VIII. Adjournment	



MEETING MINUTES

June 22, 2021

7:30 PM

DRAFT

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

Call to Order

B. Watts, Chairman, called the meeting to order at 7:30 PM.

Approval of Minutes

Draft minutes of the May 25, 2021 meeting were presented. H. Harper made a motion to approve the minutes as submitted. W. Quinn seconded. It was so moved.

Approval of Payments

Following a brief discussion and questions, a motion was made by H. Harper to approve the payments for May 2021. W. Quinn seconded. It was so moved. Following a brief discussion and questions H. Harper moved to accept the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. L. Schack seconded. It was so moved.

Authority Administration Reports

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

M. Brown provided a monthly update on land available for disposal. He again reminded the Board of the permitted but undeveloped disposal area that is part of the Ewing – West Vincent development yielding up to 10,400 gpd capacity; an area southwest of the turnpike owned by the HOA for the Frame property that had been tested by Pulte Homes over 10 years ago that did yield a strong possibility of 14,000 to 16,000 gpd capacity and a land parcel in West Vincent Township adjacent to the Ewing development that had been identified after a bench scale analysis as having suitable soils that could yield up to 150,000 gpd capacity. M. Brown shared talks were ongoing with the developer who was looking to work with the landowner for the last parcel for a combined development/disposal area.

M. Brown noted Toll Brothers had taken over the development project on Greenridge Road. He was aware they were submitting a sketch plan to the Township. A lengthy discussion ensued regarding where they would obtain disposal capacity and whether or not they could dispose on site. M. Brown shared he would keep the Board apprised of any determinations regarding the on-site capability of the property and what Toll would propose in return if they sought to purchase capacity. A motion was made by D. Carlson to update the technical specifications as recommended in the technical memo. W. Quinn seconded. It was so moved.

M. Brown reported that a malware attack had occurred with the Route 100 WWTF SCADA system. He noted it turned out to be inconsequential. No damage was caused. He also noted he apprised the Township of the attack.

Following several additional questions and a brief discussion on the reports, L. Schack then moved to accept the Reports as submitted. W. Quinn seconded. It was so moved.

Executive Session

B. Watts, Chairman, called for an Executive Session at 8:31 PM to discuss personnel matters. The Executive Session ended at 8:45 PM.

Open Session

No members of the public were in attendance.

Next Meeting Date: July 27, 2021 - 7:30 PM

B. Watts noted the date and time of the next meeting of the Authority. M. Brown noted that the meeting could be virtual, in-person or a hybrid at the Authority's discretion.

Adjournment

There being no further business to be brought before the Authority, L. Schack moved, seconded by W. Quinn to adjourn the meeting at 8:48 PM.

Respectfully submitted,

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

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01:07 PM

Upper Uwchlan Township
Check Register By Check Id

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Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2521 to 2550
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
2521	06/22/21	HOPKINS HOPKINS & SCOTT, INC	4,750.00	06/30/21 2440
2522	07/01/21	BANKAMER BANK OF AMERICA	139.31	2458
2523	07/26/21	LOWES020 LOWES BUSINESS ACCOUNT	60.19	2459
2524	07/27/21	ALSGROUP ALS GROUP USA, CORP	2,413.40	2460
2525	07/27/21	AQUAP010 AQUA PA	4,100.38	2460
2526	07/27/21	AQUAPA AQUA PA	75.00	2460
2527	07/27/21	ARROC010 ARRO CONSULTING, INC.	47,664.80	2460
2528	07/27/21	ATTMOBIL AT & T MOBILITY	204.10	2460
2529	07/27/21	BALJSING BALJEET SINGH	190.00	2460
2530	07/27/21	BARBA010 BARBACANE THORNTON & COMPANY	1,900.00	2460
2531	07/27/21	BARRYSP0 BARRY SPECTOR	127.70	2460
2532	07/27/21	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	2,641.75	2460
2533	07/27/21	CHRISFRA FRANTZ, CHRISTOPHER	118.00	2460
2534	07/27/21	CLEANWAT CLEAN WATER, INC.	11,330.00	2460
2535	07/27/21	COMMO030 COMMONWEALTH OF PENNSYLVANIA	100.00	2460
2536	07/27/21	CSGARBER C. S. GARBER & SONS INC.	1,604.25	2460
2537	07/27/21	DECKM010 DECKMAN MOTOR & PUMP, INC	8,071.84	2460
2538	07/27/21	EDMUN010 EDMUNDS GOVTECH	1,335.02	2460
2539	07/27/21	INKS0010 INK'S DISPOSAL SERVICE, INC.	1,062.50	2460
2540	07/27/21	LUDWI060 LUDWIG'S CORNER SUPPLY CO.	53.99	2460
2541	07/27/21	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	6,348.44	2460
2542	07/27/21	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,204.00	2460
2543	07/27/21	MSSER040 M & S SERVICE COMPANY, INC.	6,593.00	2460
2544	07/27/21	PEC00010 PECO ENERGY	15,974.10	2460
2545	07/27/21	PENNS080 PENNSYLVANIA ONE CALL	173.67	2460
2546	07/27/21	PRED0010 PREDOC	11,774.65	2460
2547	07/27/21	SWEETWAT SWEETWATER NATURAL PRODUCTS LL	91.35	2460
2548	07/27/21	UNIVA010 UNIVAR USA INC	1,814.18	2460
2549	07/27/21	UPPER070 UPPER UWCHLAN TOWNSHIP	69,000.84	2460
2550	07/27/21	VERIZF00 VERIZON	1,262.15	2460

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	30	0	202,178.61	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	30	0	202,178.61	0.00

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Check Register By Check Id

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Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2521 to 2550
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 Num
PO #	Item	Description				Contract	Ref Seq Acct
2521	06/22/21	HOPKINS HOPKINS & SCOTT, INC				06/30/21	2440
21-00788	1	byers/100/simpson field work	4,750.00	06-420-000-045 Contracted Services	Expenditure		1 1
2522	07/01/21	BANKAMER BANK OF AMERICA					2458
21-00907	1	bank of america - cc	139.31	06-420-000-020 Supplies	Expenditure		1 1
2523	07/26/21	LOWES020 LOWES BUSINESS ACCOUNT					2459
21-00908	1	lowe's - cc	24.79	06-420-000-020 Supplies	Expenditure		1 1
21-00908	2	lowe's - cc	35.40	06-420-000-020 Supplies	Expenditure		2 1
			60.19				
2524	07/27/21	ALSGROUP ALS GROUP USA, CORP					2460
21-00911	1	route 100 monitoring wells	301.00	06-420-000-030 Testing	Expenditure		4 1
21-00911	2	ewing tract monitoring wells	135.70	06-420-000-030 Testing	Expenditure		5 1
21-00911	3	byers station semi annual	616.50	06-420-000-030 Testing	Expenditure		6 1
21-00911	4	byers station semi annual	863.10	06-420-000-030 Testing	Expenditure		7 1
21-00911	5	st elizabeth semi annual	497.10	06-420-000-030 Testing	Expenditure		8 1
			2,413.40				
2525	07/27/21	AQUAP010 AQUA PA					2460
21-00913	1	119 prescott drive	18.83	06-409-000-037 Water	Expenditure		19 1
21-00913	2	439 prescott drive	18.83	06-409-000-037 Water	Expenditure		20 1
21-00913	3	100 prescott drive	18.83	06-409-000-037 Water	Expenditure		21 1
21-00913	4	meadow creek lane	18.83	06-409-000-037 Water	Expenditure		22 1
21-00913	5	308 flagstone road	18.83	06-409-000-037 Water	Expenditure		23 1
21-00913	6	1 prospect hill blvd	54.92	06-409-000-037 Water	Expenditure		24 1
21-00913	7	528 walter court	115.92	06-409-000-037 Water	Expenditure		25 1
21-00913	8	325 fellowship road	3,612.57	06-409-000-037 Water	Expenditure		26 1
21-00913	9	658 collingwood terrace	54.92	06-409-000-037 Water	Expenditure		27 1
21-00913	10	241 fellowship road	18.83	06-409-000-037 Water	Expenditure		28 1

Check #	Check Date	Vendor	Reconciled/Void	Ref Num			
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct	
2525	AQUA PA	Continued					
21-00913	11	29 yarmouth lane	18.83	06-409-000-037	Expenditure	29	1
		Water					
21-00913	12	425 hemlock lane	54.92	06-409-000-037	Expenditure	30	1
		Water					
21-00913	13	2680 primrose court	18.83	06-409-000-037	Expenditure	31	1
		Water					
21-00913	14	381 lcr	18.83	06-409-000-037	Expenditure	32	1
		Water					
21-00913	15	111 dorothy lane	18.83	06-409-000-037	Expenditure	33	1
		Water					
21-00913	16	1120 sunderland ave	18.83	06-409-000-037	Expenditure	34	1
		Water					
			4,100.38				
2526	07/27/21	AQUA PA					
21-00909	1	q2 commerical readings	75.00	06-406-000-100	Expenditure	2460	
		Utility Billing Costs				1	1
2527	07/27/21	ARROC010 ARRO CONSULTING, INC.					
21-00912	1	project 9310.32 ww sys admin	10,244.25	06-400-000-002	Expenditure	2460	
		Authority Administrator				9	1
21-00912	2	project 17000 consulting	4,422.40	06-408-000-000	Expenditure	10	1
		Engineering Fees					
21-00912	3	project 10270.48 byers road	3,955.50	06-408-000-000	Expenditure	11	1
		Engineering Fees					
21-00912	4	project 10270.56 route 100	6,437.50	06-408-000-000	Expenditure	12	1
		Engineering Fees					
21-00912	5	project 10270.60 resolution	5,811.75	06-408-000-000	Expenditure	13	1
		Engineering Fees					
21-00912	6	project 10270.64 milford farms	5,192.50	06-408-000-000	Expenditure	14	1
		Engineering Fees					
21-00912	7	project 10270.71 act 537	1,768.43	06-408-000-000	Expenditure	15	1
		Engineering Fees					
21-00912	8	project 10270.72 meadow creek	6,582.97	06-408-000-000	Expenditure	16	1
		Engineering Fees					
21-00912	9	project 10270.72 route 100	492.00	06-408-000-000	Expenditure	17	1
		Engineering Fees					
21-00912	10	project 10270.75 upland	2,757.50	06-408-000-000	Expenditure	18	1
		Engineering Fees					
			47,664.80				
2528	07/27/21	ATTMOBIL AT & T MOBILITY					
21-00910	1	june telephone	99.22	06-409-000-032	Expenditure	2460	
		Telephone				2	1
21-00910	2	may telephone	104.88	06-409-000-032	Expenditure	2460	
		Telephone				3	1
			204.10				
2529	07/27/21	BALJSING BALJEET SINGH					
21-00924	1	refund - sewer overpayment	190.00	06-420-000-048	Expenditure	2460	
		Misc expenses				46	1

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Check #	Check Date	Vendor	Amount	Paid	Charge Account	Reconciled/Void	Ref	Ref Num	Ref Seq	Acct
PO #	Item	Description	Account Type	Contract						
2530	07/27/21	BARBA010 BARBACANE THORNTON & COMPANY								2460
21-00915	1	2020 year end	1,900.00		06-402-000-450 Audit Fees	Expenditure				36 1
2531	07/27/21	BARRYSPE BARRY SPECTOR								2460
21-00932	1	refund overpayment - sewer	127.70		06-420-000-048 Misc expenses	Expenditure				103 1
2532	07/27/21	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI								2460
21-00914	1	june - sewer collections	2,641.75		06-404-000-000 Legal Fees	Expenditure				35 1
2533	07/27/21	CHRISFRA FRANTZ, CHRISTOPHER								2460
21-00921	1	june services	118.00		06-404-000-000 Legal Fees	Expenditure				43 1
2534	07/27/21	CLEANWAT CLEAN WATER, INC.								2460
21-00918	1	monthly operations	11,330.00		06-420-000-035 Permits	Expenditure				39 1
2535	07/27/21	COMM0030 COMMONWEALTH OF PENNSYLVANIA								2460
21-00916	1	permit 3030366000	100.00		06-420-000-035 Permits	Expenditure				37 1
2536	07/27/21	CSGARBER C. S. GARBER & SONS INC.								2460
21-00917	1	marsh harbor spray field	1,604.25		06-420-000-025 Maintenance & Repair	Expenditure				38 1
2537	07/27/21	DECKM010 DECKMAN MOTOR & PUMP, INC								2460
21-00919	1	repair pump	210.00		06-420-000-025 Maintenance & Repair	Expenditure				40 1
21-00919	2	new pump - saybrooke	7,861.84		06-420-000-025 Maintenance & Repair	Expenditure				41 1
			8,071.84							
2538	07/27/21	EDMUN010 EDMUNDS GOVTECH								2460
21-00920	1	q3 2020 sewer mailing service	1,335.02		06-406-000-100 Utility Billing Costs	Expenditure				42 1
2539	07/27/21	INKS0010 INK'S DISPOSAL SERVICE, INC.								2460
21-00922	1	eaglepointe, st. andrews	1,062.50		06-420-000-025 Maintenance & Repair	Expenditure				44 1
2540	07/27/21	LUDWI060 LUDWIG'S CORNER SUPPLY CO.								2460
21-00923	1	seeder	53.99		06-420-000-020 Supplies	Expenditure				45 1
2541	07/27/21	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC								2460
21-00927	1	route 100	77.63		06-420-000-031 Pump & Haul	Expenditure				61 1
21-00927	2	route 100	77.63		06-420-000-031 Pump & Haul	Expenditure				62 1

Check #	Check Date	Vendor	Amount Paid Charge Account			Reconciled/Void	Ref Num
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct	
2541	MCGOVERN ENVIRONMENTAL, LLC	Continued					
21-00927	3	route 100	3,570.75	06-420-000-031 Pump & Haul	Expenditure	63	1
21-00927	4	eaglepointe	351.90	06-420-000-031 Pump & Haul	Expenditure	64	1
21-00927	5	eaglepointe	1,059.58	06-420-000-031 Pump & Haul	Expenditure	65	1
21-00927	6	windsor ridge	1,210.95	06-420-000-031 Pump & Haul	Expenditure	66	1
			6,348.44				
2542	07/27/21	MJREIDER M. J. REIDER ASSOCIATES, INC.					2460
21-00926	1	marsh harbor	45.50	06-420-000-030 Testing	Expenditure	48	1
21-00926	2	rt 100 wwt	108.50	06-420-000-030 Testing	Expenditure	49	1
21-00926	3	marsh harbor	77.00	06-420-000-030 Testing	Expenditure	50	1
21-00926	4	eaglepointe	150.50	06-420-000-030 Testing	Expenditure	51	1
21-00926	5	lakeridge	108.50	06-420-000-030 Testing	Expenditure	52	1
21-00926	6	greenridge	108.50	06-420-000-030 Testing	Expenditure	53	1
21-00926	7	reserve,eagle hunt,byers,ewing	56.00	06-420-000-030 Testing	Expenditure	54	1
21-00926	8	st. andrews	119.00	06-420-000-030 Testing	Expenditure	55	1
21-00926	9	saybrooke	73.50	06-420-000-030 Testing	Expenditure	56	1
21-00926	10	greenridge	31.50	06-420-000-030 Testing	Expenditure	57	1
21-00926	11	rt 100 wwt	108.50	06-420-000-030 Testing	Expenditure	58	1
21-00926	12	st. andrews	108.50	06-420-000-030 Testing	Expenditure	59	1
21-00926	13	saybrooke	108.50	06-420-000-030 Testing	Expenditure	60	1
			1,204.00				
2543	07/27/21	MSSER040 M & S SERVICE COMPANY, INC.					2460
21-00925	1	saybrooke - service call	6,593.00	06-420-000-025 Maintenance & Repair	Expenditure	47	1
2544	07/27/21	PECO0010 PECO ENERGY					2460
21-00928	1	304 fellowship road	107.96	06-409-000-036 Electric	Expenditure	67	1
21-00928	2	2500 eagle farms road	110.97	06-409-000-036 Electric	Expenditure	68	1
21-00928	3	seabury lane	34.21	06-409-000-036 Electric	Expenditure	69	1
21-00928	4	primrose court	296.21	06-409-000-036 Electric	Expenditure	70	1

Check #	Check Date	Vendor	Reconciled/Void	Ref Num			
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct	
2544	PECO ENERGY	Continued					
21-00928	5	314a prescott drive	326.04	06-409-000-036	Expenditure	71	1
		Electric					
21-00928	6	meadow creek lane	30.12	06-409-000-036	Expenditure	72	1
		Electric					
21-00928	7	301 pottstown pike	526.19	06-409-000-036	Expenditure	73	1
		Electric					
21-00928	8	kristines/milford	101.16	06-409-000-036	Expenditure	74	1
		Electric					
21-00928	9	711 dorian road	330.05	06-409-000-036	Expenditure	75	1
		Electric					
21-00928	10	111 dorothy lane	88.14	06-409-000-036	Expenditure	76	1
		Electric					
21-00928	11	dorlan drive	1,338.84	06-409-000-036	Expenditure	77	1
		Electric					
21-00928	12	381 lcr	192.64	06-409-000-036	Expenditure	78	1
		Electric					
21-00928	13	milford road	28.70	06-409-000-036	Expenditure	79	1
		Electric					
21-00928	14	st. andrews road	38.47	06-409-000-036	Expenditure	80	1
		Electric					
21-00928	15	park road	1,533.45	06-409-000-036	Expenditure	81	1
		Electric					
21-00928	16	55 pottstown pike	550.41	06-409-000-036	Expenditure	82	1
		Electric					
21-00928	17	yarmouth lane	226.94	06-409-000-036	Expenditure	83	1
		Electric					
21-00928	18	sunderland avenue	2,156.68	06-409-000-036	Expenditure	84	1
		Electric					
21-00928	19	kiloran wynd drive	163.77	06-409-000-036	Expenditure	85	1
		Electric					
21-00928	20	flagstone road	739.71	06-409-000-036	Expenditure	86	1
		Electric					
21-00928	21	yarmouth lane	37.72	06-409-000-036	Expenditure	87	1
		Electric					
21-00928	22	140 pottstown pike	166.30	06-409-000-036	Expenditure	88	1
		Electric					
21-00928	23	275 fellowship road	6,007.36	06-409-000-036	Expenditure	89	1
		Electric					
21-00928	24	heron hill drive	147.77	06-409-000-036	Expenditure	90	1
		Electric					
21-00928	25	indian springs drive	115.66	06-409-000-036	Expenditure	91	1
		Electric					
21-00928	26	yarmouth lane	49.37	06-409-000-036	Expenditure	92	1
		Electric					
21-00928	27	hemlock lane	73.56	06-409-000-036	Expenditure	93	1
		Electric					
21-00928	28	fellowship road	455.70	06-409-000-036	Expenditure	94	1
		Electric					
			15,974.10				

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Upper Uwchlan Township
Check Register By Check Id

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Check #	Check Date	Vendor	Amount Paid	Charge Account	Reconciled/Void	Ref Num		
PO #	Item	Description			Account Type	Contract	Ref Seq	Acct
2545	07/27/21	PENNS080 PENNSYLVANIA ONE CALL					2460	
21-00929	1	pa one call	173.67	06-420-000-329 PA One Call	Expenditure		95	1
2546	07/27/21	PRED0010 PREDOC					2460	
21-00930	1	saybrooke wwtp	952.50	06-420-000-025 Maintenance & Repair	Expenditure		96	1
21-00930	2	saybrooke wwtp	560.00	06-420-000-025 Maintenance & Repair	Expenditure		97	1
21-00930	3	takeridge wwtp	8,223.75	06-420-000-025 Maintenance & Repair	Expenditure		98	1
21-00930	4	dorothy ps	728.40	06-420-000-025 Maintenance & Repair	Expenditure		99	1
21-00930	5	1120 sunderland ave	95.00	06-420-000-025 Maintenance & Repair	Expenditure		100	1
21-00930	6	route 100 plant	1,215.00	06-420-000-025 Maintenance & Repair	Expenditure		101	1
			11,774.65					
2547	07/27/21	SWEETWAT SWEETWATER NATURAL PRODUCTS LL					2460	
21-00931	1	mix seed	91.35	06-420-000-020 Supplies	Expenditure		102	1
2548	07/27/21	UNIVA010 UNIVAR USA INC					2460	
21-00934	1	chemicals	1,814.18	06-420-000-022 Chemicals	Expenditure		106	1
2549	07/27/21	UPPER070 UPPER UWCHLAN TOWNSHIP					2460	
21-00935	1	q2 2021 admin fees due to uut	69,000.84	06-400-000-001 Administration	Expenditure		107	1
2550	07/27/21	VERIZFIO VERIZON					2460	
21-00933	1	july telephone	1,109.72	06-409-000-032 Telephone	Expenditure		104	1
21-00933	2	july internet	152.43	06-409-000-032 Telephone	Expenditure		105	1
			1,262.15					

Report Totals	Paid	Void	Amount Paid	Amount Void
Checks:	30	0	202,178.61	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	30	0	202,178.61	0.00

Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Receivables and Collections

	June 2021	May 2021	Change
Beginning Receivable Balance	289,022.06	289,022.06	-
<u>Billings:</u>			
Calculated charges billed	1,160,228.76	1,159,952.66	276.10
Billing adjustments			-
Late payment penalty	64,361.12	32,200.15	32,160.97
Adjustments	(4,884.21)	(3,829.64)	(1,054.57)
	1,508,727.73	1,477,345.23	31,382.50
<u>Less:</u>			
Collections*	1,220,888.99	1,047,764.27	(173,124.72)
Receivable balance, month end	287,838.74	429,580.96	(141,742.22)

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)

	6/30/2020	12/31/2020	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021
Number of delinquent accounts	160	143	208	137	118	94	136
Total delinquent balance	\$ 213,938	\$ 237,326	\$ 260,473	\$ 231,611	\$ 217,040	\$ 208,428	\$ 240,052

2021 Payment Schedule

Bills Mailed Payment Due

First quarter	1/31/2021	3/1/2021
Second quarter	4/30/2021	5/31/2021
Third quarter	7/31/2021	8/31/2021
Fourth quarter	10/31/2021	11/30/2021

Upper Uwchlan Township Municipal Authority
Balance Sheet
As of June 30, 2021

ASSETS

	<u>Cash</u>	
06-100-000-010	General Checking - Fulton Bank	\$ 152,513.31
06-100-000-015	General Checking - Meridian Bank	336,780.85
06-100-000-020	General Checking - WIPP	337,476.69
06-106-000-002	Connection Fee Account	687,769.17
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMAA	<u>5,362,423.91</u>
	Total Cash	6,876,963.93
	<u>PSDLAF Investments:</u>	
06-109-000-003	CD Program	-
06-109-000-004	Full Flex	<u>188.21</u>
	Total Investments	188.21
	<u>Accounts Receivable</u>	
06-145-000-001	Usage Fees Receivable	285,988.16
06-145-000-002	Capital Assessment Receivable	-
06-147-000-000	Misc Accounts Receivable	<u>546.00</u>
	Total Accounts Receivable	286,534.16
	<u>Other Current Assets</u>	
06-130-000-001	Due from MA Capital Fund	-
06-130-000-002	Due from UUT General Fund	-
06-130-000-003	Due from UUT Capital Fund	-
06-130-000-004	Due from Solid Waste Fund	9,395.93
06-130-000-005	Due from Stormwater Fund	-
06-130-000-006	Due from Sewer Fund	-
06-152-000-000	Undeposited Funds	-
06-155-000-000	Pre-Paid Expenses	-
06-155-000-010	Pre-Paid Attorney Fees	-
	Total Other Current Assets	9,395.93
	<u>Fixed Assets</u>	
06-162-000-001	Fixed Assets	2,538,084.22
06-162-000-050	Accumulated Depreciation	(629,995.36)
06-163-000-100	Phase II Construction Project (CIP)	<u>191,298.51</u>
	Total Fixed Assets	2,099,387.37
	<u>Other Long Term Assets</u>	
06-162-000-002	Excess Treatment Capacity	<u>1,649,293.24</u>
	Total Other Long Term Assets	1,649,293.24
	Total Assets	\$ 10,921,762.84

Upper Uwchlan Township Municipal Authority
Balance Sheet
As of June 30, 2021

LIABILITIES AND FUND BALANCE

<u>Current Liabilities</u>	
06-200-000-020	Accounts Payable
06-230-000-010	Due to UUT General Fund
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
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
06-240-000-000	Accrued Expenses
06-241-000-100	Retainage on Phase II Construction Project
06-245-000-000	Due to Customers
	Total Current Liabilities
	5,370,594.22
<u>Equity</u>	
06-272-000-001	Opening Bal Equity
06-272-000-002	Retained Earnings
	Current Period Net Income (Loss)
	Total Equity
	5,551,168.62
	Total Fund Balance
	5,551,168.62
	Total Liabilities & Fund Balance
	\$ 10,921,762.84

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended June 30, 2021

	Actual 2021 YTD	Budget 2021	% of Budget	Actual 2020 (audited)	Budget 2020
REVENUES					
06-340-000-000 Interest Income	\$ 3,727.28	\$ 43,500.00	8.6%	\$ 36,969.00	\$ 80,000.00
06-365-000-000 Usage Fees Residential	1,175,977.55	2,250,000.00	52.3%	2,276,275.00	2,293,851.00
06-365-000-001 Usage Fees Commercial	44,702.44	100,000.00	44.7%	97,168.00	-
06-365-000-010 Connection Fees	286,828.22	4,677,750.00	6.1%	51,571.00	1,622,250.00
06-365-000-015 Sewer - resident refunds	-	-	#DIV/0!	(88.00)	-
06-354-000-020 Grant revenue - State	4,167.00	465,000.00	0.9%	11,471.00	-
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
TOTAL REVENUES	\$ 1,515,402.49	\$ 7,537,250.00	20.1%	\$ 2,473,366.00	\$ 3,997,101.00
EXPENDITURES					
<u>General:</u>					
06-400-000-001 Administration	126,891.99	264,736.00	47.9%	245,253.00	273,821.00
06-400-000-002 Authority Adminstrator	61,564.35	120,000.00	51.3%	124,394.00	120,000.00
06-400-000-003 Professional Fees	-	5,000.00	0.0%	-	12,000.00
06-400-000-200 Admin Supplies	520.00	1,000.00	52.0%	299.00	1,000.00
06-400-000-341 Advertising	-	3,000.00	0.0%	2,928.00	5,000.00
06-400-000-352 Insurance - Liability	2,578.90	5,370.00	48.0%	4,112.00	5,370.00
06-400-000-355 Bank Fees	72.00	650.00	11.1%	97.00	650.00
06-402-000-450 Audit Fees	4,150.00	7,500.00	55.3%	5,800.00	5,450.00
06-404-000-000 Legal Fees	2,550.50	25,000.00	10.2%	5,460.00	25,000.00
06-406-000-100 Utility Billing Costs	3,077.92	13,000.00	23.7%	12,608.00	12,000.00
06-408-000-000 Engineering Fees	201,105.91	150,000.00	134.1%	410,263.00	175,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	402,511.57	595,256.00	67.6%	811,214.00	635,291.00
<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	8,309.19	15,000.00	55.4%	15,305.00	15,000.00
06-409-000-035 Insurance	5,446.10	15,000.00	36.3%	12,336.00	11,078.00
06-409-000-036 Electric	117,942.32	250,000.00	47.2%	194,595.00	250,000.00
06-409-000-037 Water	6,972.90	20,000.00	34.9%	11,921.00	20,000.00
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%	-	15,000.00
06-409-000-427 Waste Disposal	-	-	#DIV/0!	-	-
	138,670.51	330,000.00	42.0%	234,157.00	326,078.00
<u>Operations:</u>					
06-420-000-020 Supplies	2,839.92	50,000.00	5.7%	25,453.00	50,000.00
06-420-000-022 Chemicals	4,118.54	15,000.00	27.5%	8,096.00	15,000.00
06-420-000-023 Propane and Fuel Oil	-	5,000.00	0.0%	2,991.00	5,000.00
06-420-000-025 Maintenance & Repair	52,152.59	120,000.00	43.5%	158,210.00	120,000.00
06-420-000-030 Testing	18,885.00	35,000.00	54.0%	36,203.00	35,000.00
06-420-000-031 Pump & Haul	49,959.14	60,000.00	83.3%	100,218.00	50,000.00
06-420-000-032 Vegetation Management	9,648.86	20,000.00	48.2%	5,895.00	20,000.00
06-420-000-035 Permits	2,512.00	5,000.00	50.2%	2,878.00	5,000.00
06-420-000-042 Dues and Memberships	-	-	#DIV/0!	75.00	-
06-420-000-045 Contracted Services	82,485.00	150,000.00	55.0%	161,528.00	150,000.00
06-420-000-048 Misc expenses	380.00	10,000.00	3.8%	284.00	10,000.00
06-420-000-235 Vehicle Maintenance	372.87	2,000.00	18.6%	-	2,000.00
06-420-000-329 PA One Call	592.71	2,500.00	23.7%	1,875.00	2,500.00
	223,946.63	474,500.00	47.2%	503,706.00	464,500.00

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended June 30, 2021
(Continued)

		Actual 2021 YTD	Budget 2021	% of Budget	Actual 2020	Budget 2020
					<i>(Unaudited)</i>	
	<u>Capital:</u>					
06-483-000-000	Capital Repair	42,624.45	100,000.00	42.6%	-	50,000.00
06-483-000-100	Capital Construction	-	2,700,000.00	0.0%	-	1,500,000.00
06-493-000-083	Depreciation	-	100,000.00	0.0%	126,102.00	100,000.00
		<hr/> 42,624.45	<hr/> 2,900,000.00	<hr/> 1.5%	<hr/> 126,102.00	<hr/> 1,650,000.00
	Total Expenditures before Operations Agreement and Transfers	\$ 807,753.16	\$ 4,299,756.00	18.8%	\$ 1,675,179.00	\$ 3,075,869.00
	Net Income before Operations Agreement and Transfers	\$ 707,649.33	\$ 3,237,494.00	21.9%	798,187.00	921,232.00
	<u>Other:</u>					
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	0.0%	-	-
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	103,369.58	236,744.00	43.7%	237,408.00	237,494.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	63,098.40	336,200.00	18.8%	335,280.00	335,300.00
		<hr/> 166,467.98	<hr/> 572,944.00	<hr/> 29.1%	<hr/> 572,688.00	<hr/> 572,794.00
06-492-000-010	Transfer to Sewer Fund	-	-	#DIV/0!	-	-
06-492-000-020	Transfer to Water Resource Protection Fund	-	-	#DIV/0!	-	-
06-492-000-030	Transfer to UUT Capital Fund	-	-	#DIV/0!	-	-
		<hr/> -	<hr/> -	<hr/> #DIV/0!	<hr/> -	<hr/> -
	TOTAL EXPENDITURES	\$ 974,221.14	\$ 4,872,700.00	20.0%	\$ 2,247,867.00	\$ 3,648,663.00
	OPERATING INCOME	\$ 541,181.35	\$ 2,664,550.00	20.3%	\$ 225,499.00	\$ 348,438.00

Clean Water, Inc.

170 Dallas St.
Box 475
Atglen, Pa. 19310

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

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

July 24, 2021

RE: Report for the July meeting

Dear Authority,

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

Route 100

We continue to spray as conditions allow. Cutting and harvesting has begun. We had a request from a resident to cut Upland Farm last due to butterfly migrations, so I have asked the farmer to oblige. It also works out from a timing standpoint as there appears to have been some sort of power surge that did damage to one of the drip return pumps, and the control system for the drip pumps. The pump has been pulled for repair. Unrelated, the two filter dose pumps have been removed to have the bushings replaced, and a general overhaul. A while ago one of the Route 100 influent pumps was sent out for a rebuild. At that time, I suspected the other with similar usage wouldn't be far behind. Well, it also has been pulled and sent out for repair. We had Keystone out to diagnose and repair a control issue with the number two pump. The public works dept is preparing to repair risers that have been damaged. This work will include replacing damaged heads, etc. I have ordered the parts from Rain Flo irrigation in Bowmanstown. The lagoons at Byers Station and the main storage lagoon at Route 100 will be sprayed for algae. We are using a different firm than Ehrlich this time as they have gotten out of the aquatic control business. The firm is Solitude Lake Management. They are a very comprehensive firm, and I am hopeful they will become a valuable asset in this area going forward. The new permit for the Route 100 plant has been issued.

Eaglepointe

We had chemicals delivered to the plant by Univar.

Marsh Harbour

Plant is running fine. The field has been cut. Last winter I mentioned the need to have the debris from the reactor removed. Predoc will be doing so shortly. A dumpster has been delivered on site for this.

Lakeridge

Plant is running fine. McGovern hauled sludge. Predoc has completed the bed cleanings. There was a DEP inspection. No issues were noted.

Saybrooke

Facility is running fine. There were some concerns raised about the chloride levels in monitoring well 3 (down gradient). Initial influent results for chlorides and other metals were higher than typical for residential waste. Water conditioners are suspected to be the culprit. Aqua confirmed they have seen some impact in their water wells also. I suspect over the years it has simply condensed in the area. There is no method to remove this from the treatment facility, so it is a pass thru.

Greenridge

The drip has been turned off for cut and harvest.

St. Andrews

Plant is running fine. Sludge was removed. I ordered a spare motor and blower.

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

Respectfully,

Brian Norris



321 N. Furnace Street
Suite 200
Birdsboro, PA 19508
T 610.495.0303
F 610.495.5855

MEMORANDUM

TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: July 22, 2021

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 last four house service lines to new townhouses was completed on March 3, 2021.

Nothing new to report.

Village at Byers Station (5C), Lot #2 Residential / Commercial Parcel: ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFFPM) 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 SFFPM 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 SPFM 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 SPFM 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. ARRO reviewed and commented on sanitary sewer shop drawings submitted by the site contractor, Lyons & Hohl. Toll Brothers' 55 townhomes (Lot 2A, Residential), rated at 185 gpd each, has a total sewage flow of 10,175

gpd. Toll submitted certification to ARRO documenting the repurchase of 6,560 gpd Toll originally sold to Byers Retail Acquisition Limited Partnership for the previously proposed commercial improvements of the parcel. Toll will purchase the remaining 3,615 gpd it needs at \$70 per gallon for treatment and disposal. The total amount due from Toll to Upper Uwchlan Township Municipal Authority being \$253,050 as a single, upfront payment to the Authority. According to the Township Finance Department, Toll Brothers has paid the Township the \$253,050.00 for the 55 townhomes (Lot 2A, Residential) treatment and disposal costs. Installation of sanitary sewer is tentatively scheduled to start on January 25, 2021. Sanitary sewer construction started on January 26, 2021. Sanitary sewer construction continues. Toll Brothers submitted sewer escrow release request No. 1 in the amount of \$119,330.00. ARRO reviewed the quantities and prepared an April 12, 2021 letter to the Township recommending release of the requested amount. All sanitary sewer is installed, but not been completely tested.

Sanitary sewer manholes installed as part of Lot #1, but within Lot #2, remain to be vacuum tested now that paving has been placed around their manhole frames.

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.

Attached is a memo dated July 22, 2021 which list the recommended additions/revisions to the Non-Residential Waste (NRW) 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. On June 4, 2021 the Authority Administrator and ARRO met with the owner regarding this project.

ARRO prepared an exhibit drawing showing proposed temporary and permanent sanitary sewer easements across both the Citadel Bank and Eagle Service Center lots. The exhibits were sent to the property owners for review. If the exhibits are accepted easement agreements will be prepared.

Ewing Tract

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

J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. 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. ARRO reviewed the revised Fetter Drip Disposal WQM application, design engineer's report and drawings submitted by Ebert Engineering on November 8, 2020 and has no further comments to the documents. On January 8, 2021 the Authority Administrator signed the Fetter Drip Disposal WQM permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. ARRO reviewed Phase 1 sanitary sewer escrow release No. 1 and prepared a February 24, 2021 letter to the Township approving the quantities and the escrow release's requested amount of \$669,462.83. Work continues on installation and testing of gravity and low-pressure sewer system mains.

On July 1, 2021, transmitted Phase 1 sanitary sewer escrow release No. 2 request to ARRO. ARRO is in the process of reviewing the request.

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

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 July 21, 2021.

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. SFP 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. ARRO reviewed the sanitary sewer televising submitted by the contractor and is preparing comments.

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. Ivystone subdivision sanitary sewer cleaning and televising will be done on Monday, January 25, 2021 to check the condition of the sewers. The Ivystone subdivision sanitary sewer cleaning and televising was done on Monday, January 25, 2021. Two sections of sewer where the paving surface above the sewer trench has dished did show a few areas of sag in the piping, but the sags were minor in nature and not considered to have caused the paving irregularity.

Nothing new to report.

Marsh Harbour

ARRO prepared the annual groundwater monitoring report and submitted the report to PADEP on January 28, 2021. ARRO is pursuing getting repairs done to the monitoring well No. 6 casing pipes at the request of Clean Water. ARRO has contacted C.S. Garber & Sons and is reviewing a quote for the repairs to the monitoring well No. 6 casing pipes. On March 25, 2021, C.S. Garber & Sons completed repairs to the monitoring well No. 6 casing pipes.

On July 2, 2021, C.S. Garber & Sons completed repairs to the Marsh Harbour monitoring well No. 5 casing pipes and repairs to the St. Elizabeth monitoring wells No. 1 and No. 3 casing pipes.

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 has completed the April 2021 update of the Authority's Technical Specifications for Construction of Sewer Mains. The Authority's Updated Technical Specifications for Construction of Sewer Mains have been uploaded onto the Township's website.

Nothing new to report.

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. The Authority Administrator and ARRO met on January 20, 2021 to discuss various alternatives in connection with ARRO's Act 537 planning work. The Authority Administrator and ARRO met on January 20, 2021 to discuss various alternatives in connection with ARRO's Act 537 planning work. As a follow-up to the January 20, 2021 meeting, ARRO is completing planning level studies of the various discussed alternatives, which will then be incorporated into the final planning document. At the Authority's March 2021 meeting ARRO is preparing to do a short presentation of the Act 537 planning Executive Summary. At the March 2021 Authority meeting ARRO provided the Authority with hard and electronic copies of the draft Act 537 Plan for review and ARRO is now awaiting comments from the Authority. The Act 537 Plan is ready to be sent to Chester County.

The Act 537 Plan was sent to the Chester County Planning Commission and the Chester County Health Department for review and comment.

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.

On June 29, 2021 PADEP transmitted the WQM renewal permit. ARRO reviewed the permit and on July 19 transmitted comments back to PADEP.

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, 2002 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. ARRO completed review of Ebert Engineering's revised Route 100 Regional WWTP Phase III WQM Part 2 permit application with revised upgrade design drawings transmitted November 4, 2020. On December 16, 2020 ARRO transmitted comments on the documents to Ebert Engineering. ARRO completed a review of Ebert Engineering's further revised Route 100 Regional WWTP Phase III WQM permit application design documents and had no further comments to the application. On January 8, 2021 the Authority Administrator signed the permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. Keystone Engineering has started the Route 100 Regional WWTP Phase III electrical design. ARRO met a Keystone electrical engineer at the WWTP to review the existing electrical equipment. On April 21, 2021 ARRO was informed by Ebert Engineering that the Route 100 Regional WWTP Phase III electrical design will be submitted for review and comment the week of April 26, 2021. On May 11, 2021, ARRO received from Ebert Engineering the Route 100 Regional WWTP Phase III electrical design. ARRO has started a review of the design. On June 14, 2021, ARRO received the draft Phase III final design technical specifications and drawings from Ebert Engineering for review and comment.

ARRO reviewed the draft Phase III final design technical specifications and drawings and on July 21, 2021 transmitted to Ebert Engineering review comments to the documents.

Saybrooke

ARRO prepared the 2021 annual groundwater monitoring report and on June 28 transmitted the document to PADEP.

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. ARRO received a November 19, 2020 letter from PADEP stating no planning modules need to be submitted for the proposed barn sewer connection. ARRO is working with the Township's project manager (Boyle Construction) for the sanitary sewer portion of the project. The Upland Farms Barn Renovation Sanitary Sewer Connection project is out for bids. A pre-bid meeting is scheduled for March 22, 2021 with bids due April 1, 2021. The Upland Farms Barn Renovation Sanitary Sewer Connection project bids were received. The Township is handling the project.

A survey was completed and stakes set along the boundary line between the Waynebrook subdivision and Upland Farms Drip Fields "A" and "B".

Waynebrook

Nothing new to report.

Windsor Ridge

Nothing new to report.

Miscellaneous

Active Adult Community, 100 Greenridge Road – On January 7, 2021 the Authority Administrator and ARRO met with a developer to discuss the sanitary aspects for a potential 78 ea. lot active adult community situated over a 58.94-acre total site area at 100 Greenridge Road. A sketch of the proposed site and a ChescoViews satellite image of the site is attached to the January 20, 2021 Project Status Report. On June 4, 2021 the Authority Administrator and ARRO met with Toll Brothers regarding this project.

Nothing new to report.

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, 2109 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. The Byers Road Sanitary Sewer Extension project was first advertised on December 14, 2020 with a second advertisement set for December 21, 2020. A pre-bid meeting is scheduled for January 5, 2021 and bids are due January 15, 2021. Six bids for the Byers Road Sanitary Sewer Extension project were submitted on January 15, 2021. The apparent low bidder is Highway Materials, Inc. with a Total Extended bid of \$637,504.30, which includes the cost of the Alternate "A" - Sewer Extension Across Route 100. ARRO is in the process of reviewing the bids. As DCED grant funding is involved approvals are subject to DCED concurrent approval. The notice of intent to award and other contract documents have been sent to Highway Materials for execution. ARRO is awaiting return of the executed documents along with bonds and insurance. ARRO reviewed and approved the bonds and insurance documents submitted by the contractor. ARRO recommends the Authority execute the Agreement, after which ARRO will schedule the project preconstruction meeting. ARRO reviewed a land development plan for 164 Byers Road., which specifies a connection to the Byers Road Sanitary Sewer Extension, but will set up Pump & Haul until the sewer extension is complete. By letter dated April 19, 2021 ARRO issued the Notice to Proceed to Highway Materials. Start of Contract Time will be May 12, 2021 with the project to be substantially completed by September 9, 2021. ARRO will schedule the project preconstruction meeting in early May 2021. On May 13, 2021, ARRO conducted the project preconstruction meeting with Highway Materials. Highway Materials has started to submit its shop drawings to ARRO for review and approval. ARRO prepared a letter informing affected property owners of the upcoming work. ARRO also prepared a letter informing affected property owners of a stake placed in each yard identifying the design location of the property lateral and stating the stake may be relocated by the property owner if desired. Construction is anticipated to start on July 2021.

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. The sewer extension across Route 100 is included as an alternate to the Byers Road Sanitary Sewer Extension project. The amount bid for the Alternate "A" - Sewer Extension Across Route 100 as submitted by the Byers Road Sanitary Sewer Extension project apparent low bidder, Highway Materials, Inc., was \$89,474.00. ARRO is amending the HOP for the Route 100 crossing. Survey has been completed for the Route 100 crossing. Surveyors are preparing the legal description and drawing(s) for the temporary and permanent sanitary sewer easements within Eaglepointe's Simpson Drive. Surveyors prepared the legal description and drawing for the temporary and permanent sanitary sewer easements within Eaglepointe's Simpson Drive. The Authority's counsel prepared a draft Deed of Dedication for Sanitary Sewer Easement. ARRO reviewed the draft Deed and in May 2021 transmitted it to J. Loew Property Management for approval. Authority Administrator has discussed the easement situation with J Loew after finding out they are selling Eaglepointe.

On July 13, 2021, Highway Materials submitted to ARRO a 52-calendar day contract time extension request due to the inability to procure PVC pipe for the project because of a nationwide PVC resin shortage. The request would revise the Byers Road project substantial completion date from September 9, 2021 to October 31, 2021. ARRO recommends the time extension be approved.

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. ARRO intends to soon submit the WQM Part II permit application package to PADEP. A \$500 fee to the Commonwealth of Pennsylvania is required as part of the permit application. ARRO submitted the WQM Part II permit application to PADEP on February 15, 2021. ARRO received the WQM Part II permit from PADEP via email on June 4, 2021.

Nothing new to report.

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



108 West Airport Road
Lititz, PA 17543
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MEMORANDUM

TO: G. Matthew Brown, P.E., DEE, Authority Administrator - Upper Uwchlan Township Municipal Authority

FROM: David M. Schlott, Jr., P.E.

RE: Non-Residential Waste Discharge Resolution

PROJECT NO.: 17000.00

DATE: July 22, 2021

A review of the Non-Residential Waste (NRW) Resolution was performed. The following are recommended additions/revisions for your consideration.

Section 3 - Regulations

- Suggested Additions to Section 3.1 – Use of Sanitary Sewers and Admission of Non-Residential Waste:
 - Non-domestic wastes will be considered harmful to the System if they produce the following damaging effects: Chemical reaction with the materials of construction of the System in any manner, mechanical action that is reasonably likely to damage or destroy Sewer structures, restriction of the hydraulic capacity of the Sewer structures, danger to inspectors or maintenance crews, danger to public health or safety, or any condition which is obnoxious or inimical to the public interest.
 - “Any slug or any Pollutants released at a flow rate and/or Pollutant concentration that the User knows or has reason to know may cause interference to the System.”
 - Petroleum oils, nonbiodegradable cutting oil, or products of mineral oil origin, in any amounts prohibited.
 - “Any Pollutant which results in the presence of toxic gases, vapors or fumes within the system in a quantity that may cause acute worker health and safety problems.”
 - Update point 8 using verbiage “appropriately sized”.
- Suggested Addition to Section 3.7 – Accidental Discharges:
 - Corrective Action Required: Failure of the User to institute corrective action approved by the Authority and necessary to prevent a reoccurrence of an accidental discharge Shall be a violation of these Regulations.

- Suggested Addition to Section 3.12 – Pretreatment Requirements:
 - All records relating to compliance with National Pretreatment Standards Shall be made available to the Authority upon request.

Section 4 – Administration

- Suggested Updates to Section 4.2 – Non-Residential Waste Discharge Permit:
 - At Paragraph 4.2.2, update the permit application fee to fifty dollars (\$50).
 - At Paragraph 4.2.4b, update to read, “Limits on average and maximum Wastewater constituents and characteristics, specifically BOD, TSS, and FOG”.
 - Add the following provision as Paragraph 11: Determination of Surcharges for Strong Wastes:

There may be additional charges for wastes having concentrations of BOD, suspended solids, dissolved solids, ammonia-nitrogen, and phosphorous in excess of the average concentrations of these Pollutants in normal domestic water. Normal Domestic water Shall be considered as having the following concentrations

- BOD – 300 mg/l
- Suspended solids – 300 mg/l
- Dissolved solids – 500 mg/l
- Phosphorous – 10 mg/l
- Ammonia-nitrogen – 25 mg/l

Maximum acceptable Wastewater strength concentrations are as follows:

- BOD – 900 mg/l
- Suspended solids – 750 mg/l
- Dissolved solids – 1,000 mg/l
- Phosphorous – 10 mg/l
- Ammonia-nitrogen – 75 mg/l

In order to determine the additional charges for wastes with strength greater than that of domestic waste, the following formula Shall be used:

- $$S_Q = 0.00834 Q_I [(BOD_I - 300)TC_{BOD} + (SS_I - 300)TC_{SS} + (DS_I - 500)TC_{DS} + (P_I - 10)TC_P + (NH_3N_I - 25)TC_{NH3N}]$$
 - S_Q is the quarterly surcharge to be added to the normal Sewer rent.
 - 0.00834 is a constant to convert waste concentrations expressed in mg/l to thousands of pounds of waste
 - Q_I is the quarterly waste flow expressed in million gallons (MG)
 - $BOD_I, SS_I, DS_I, P_I, NH_3N_I$, are the respective concentrations of the waste expressed in mg/l

- TC_{BOD} , TC_{SS} , TC_{DS} , TC_P , TC_{NH3N} , is the treatment cost incurred by the Authority as updated annually per 1,000 pounds of waste

The formula is used to determine additional surcharges. However, it is recognized that the discharge of any waste or other matter or substance containing any of the prohibited substances may result in expenses to the Authority. Hence, in the event of the discharge of any wastes containing any of the prohibited substances multiplied by the Technical Review Criteria (TRC), the Authority Shall have the power to bill the Owner of the property from which such discharge is made an additional surcharge up to three hundred dollars (\$300). Each day that such discharge is made Shall result in a separate three hundred dollar (\$300) additional surcharge.

Section 5 – Fees

- Suggested Addition to Section 5.2 – Charges and Fees:
 - One hundred dollar (\$100) penalty fee for Non-Residential Waste containing more than 80 mg/l of fats, oil, and grease per occurrence.

Section 6 – Enforcement

- Suggested Addition of Paragraph 6.5 – Notification of Violation
 - When the Authority finds that a User has violated (or continues to violate) any provisions of this resolution, a Wastewater discharge permit or order issued hereunder, or any other Pretreatment Standard or Requirement, the Authority may serve upon that User a written Notice of Violation. Within seven (7) days of the receipt of this notice, an explanation of the violations and a plan for the satisfactory correction and prevention thereof, to include specific required actions, Shall be submitted by the User to the Authority. Submission of this plan in no way relieves the User of liability for any violations occurring before or after receipt of the Notice of Violation.
- Suggested Addition of Paragraph 6.6 – Compliance Orders
 - When the Authority finds that a User has violated or continues to violate any provisions of this resolution, a Wastewater discharge permit or order issued hereunder, or any other Pretreatment standard or Requirement, the Authority may issue an order to the User responsible for the discharge directing that the User come into compliance within fifteen (15) days. If the User does not come into compliance within thirty (30) days, Sewer service Shall be disconnected.
- Suggested Addition of Paragraph 6.7 – Cease and Desist Orders
 - When the Authority finds that a User has violated (or continues to violate) any provisions of this resolution, a Wastewater discharge permit or order issued hereunder, or any other Pretreatment standard or Requirement, or that the User's past violations are likely to recur, the Authority may issue an order to the User directing it to cease and desist all such violations and directing User to
 - Immediately comply with all Requirements; and

- Take such appropriate remedial or preventative actions as may be needed to properly address a continuing or threatened violation, including halting operations and/or terminating discharge.
- Issuance of a cease-and-desist order Shall not be a bar against, or a prerequisite for, taking any other action against the User.
- Suggested Addition of Paragraph 6.8 – Administrative Fines
 - When the Authority finds that a User has violated (or continues to violate) any provisions of this resolution, a Wastewater discharge permit or order issued hereunder, or any other Pretreatment standard or Requirement, or that the User's past violations are likely to recur, the Authority may fine such User in an amount not to exceed \$1,000. Such fines Shall be assessed on a per violation, per day basis. In the case of monthly or other long-term average discharge limits, fines Shall be assessed for each day during the period of violation.
 - Unpaid charges, fines, and penalties Shall, after fifteen (15) calendar days, be assessed on additional penalty of ten percent (10%) of the unpaid balance and interest Shall accrue thereafter at a rate of one percent (1%) per month. A lien against the User's property will be sought for unpaid charges, fines, and penalties.
 - Users desiring to dispute such fines must file a written request for the Authority to reconsider the fine along with full payment of the fine amount within ten (10) days of being notified of the fine. Where a request has merit, the Authority may convene a hearing on the matter. In the event the User's appeal is successful, the payment, together with any interest accruing thereto, Shall be returned to the User. The Authority may add costs for the preparing of administrative enforcement, such as notices and orders, to the fine.

The general intent is to keep only domestic strength waste entering the system to the greatest extent practical. Should NRW Discharge exceed domestic strength Wastewater parameters, the Authority has the ability for better enforcement on such discharges and can charge them for the additional costs incurred to treat the stronger Wastewater. In order to implement the updated NRW Resolution, we suggest the following:

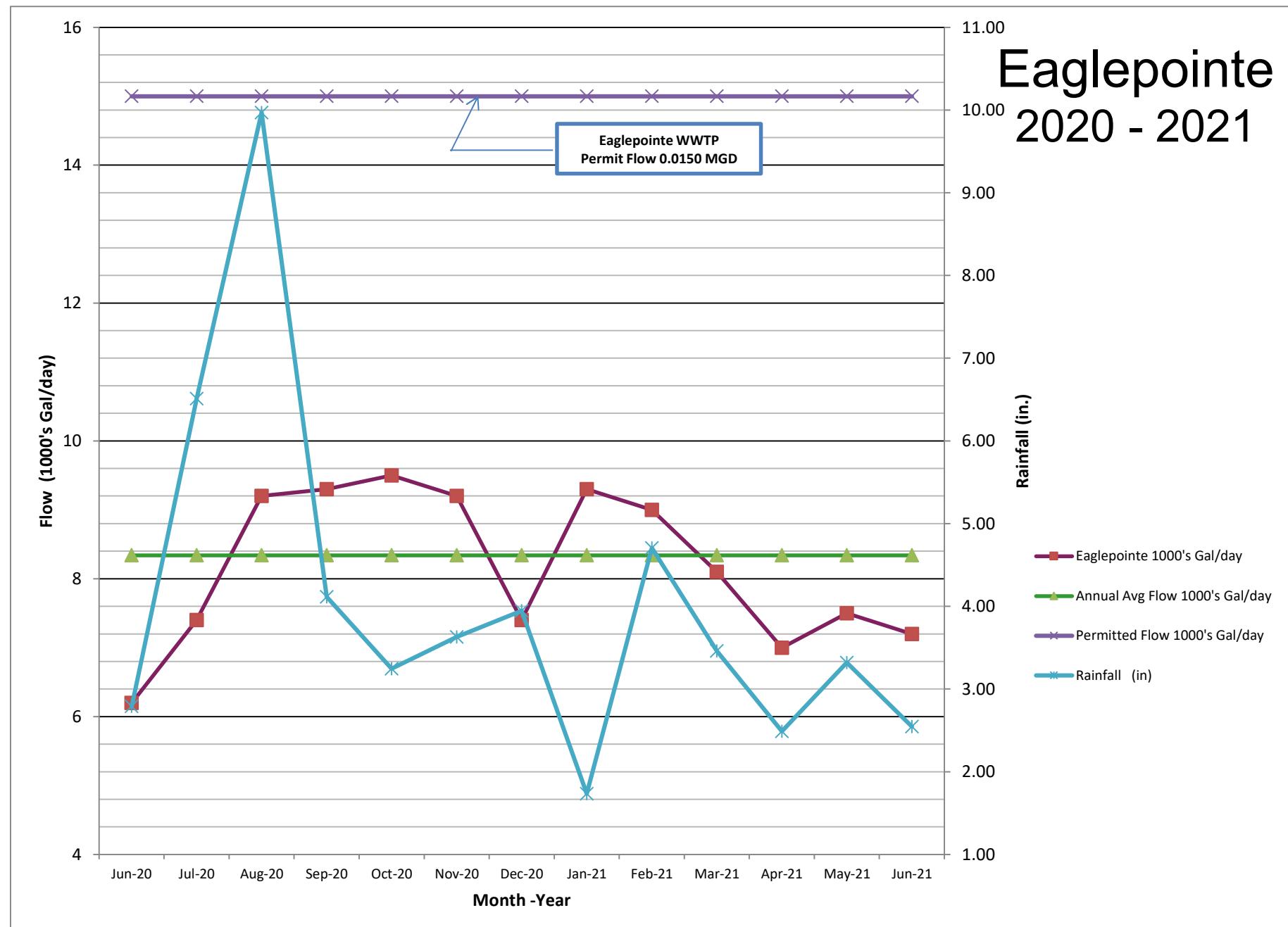
- Development of the surcharge costs; and
- Reissuance of all NRW Discharge Permits to assure that sampling/testing parameters and frequency are included as well as the current Owner listed as the permittee.

Should the above revisions be acceptable, we will update the NRW Resolution for the Authority's approval. If you have questions, please contact our office.

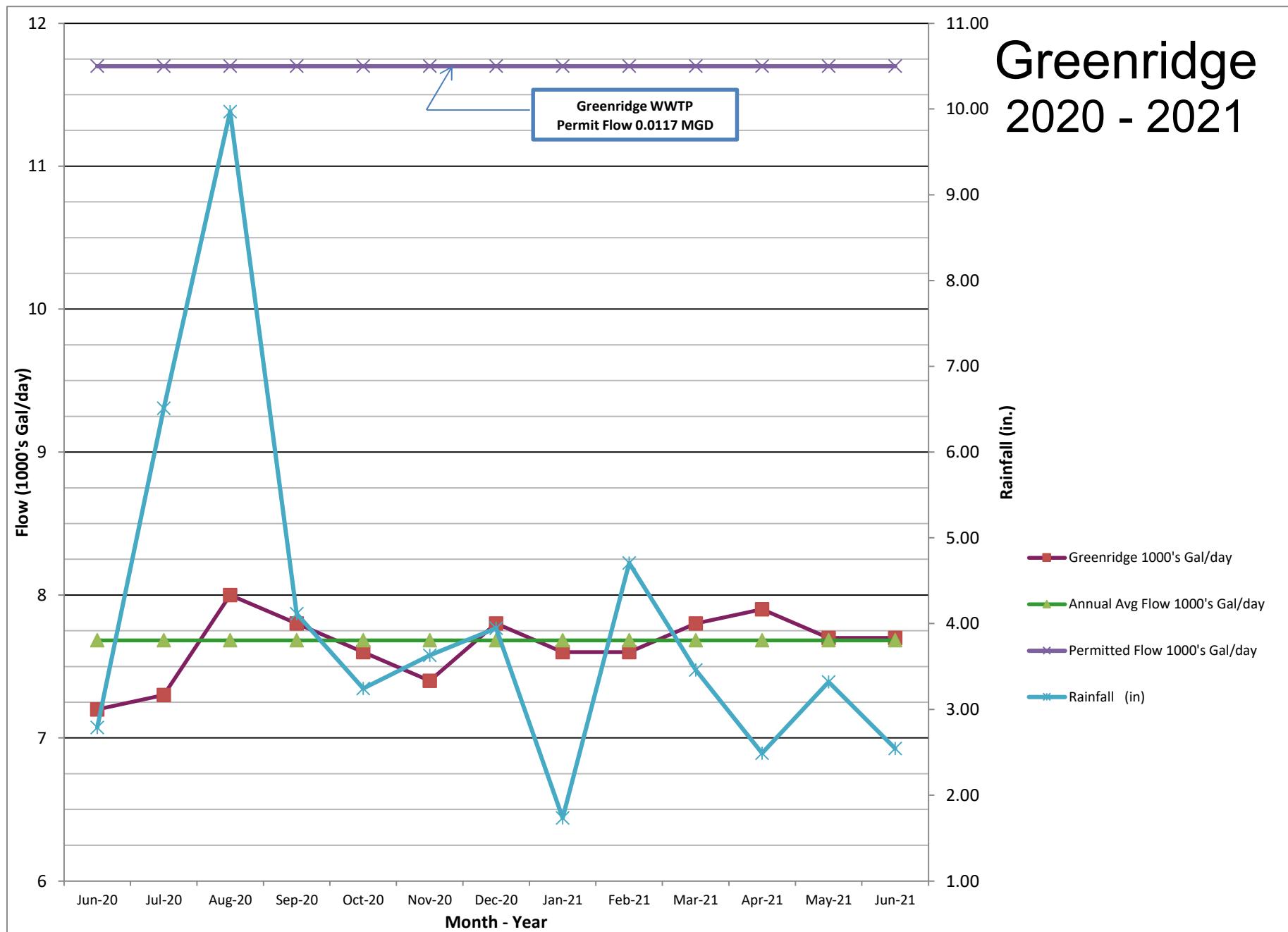
UPPER UWCHLAN MUNICIPAL AUTHORITY
WASTEWATER TREATMENT PLANTS
MONTHLY AVERAGE DAILY FLOWS

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
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
Nov-20		0.00920	0.00740	0.02780	0.04230	0.38990	0.00800	0.00260	3.63
Dec-20		0.00740	0.00780	0.02930	0.04500	0.40180	0.00750	0.00250	3.95
Jan-21		0.00930	0.00760	0.02660	0.04460	0.39120	0.00730	0.00260	1.74
Feb-21		0.00900	0.00760	0.02560	0.04190	0.40970	0.00790	0.00280	4.71
Mar-21		0.00810	0.00780	0.02750	0.04270	0.40250	0.00810	0.00270	3.46
Apr-21		0.00700	0.00790	0.02420	0.04040	0.38520	0.00770	0.00250	2.49
May-21		0.00750	0.00770	0.02420	0.03960	0.38400	0.00740	0.00230	3.32
Jun-21		0.00720	0.00770	0.02430	0.03810	0.38210	0.00720	0.00220	2.55
Annual Avg Flow =		0.00834	0.00768	0.02628	0.04121	0.38438	0.00773	0.00214	
Permitted Flow =		0.01500	0.01170	0.04000	0.07600	0.60000	0.00920	0.00360	

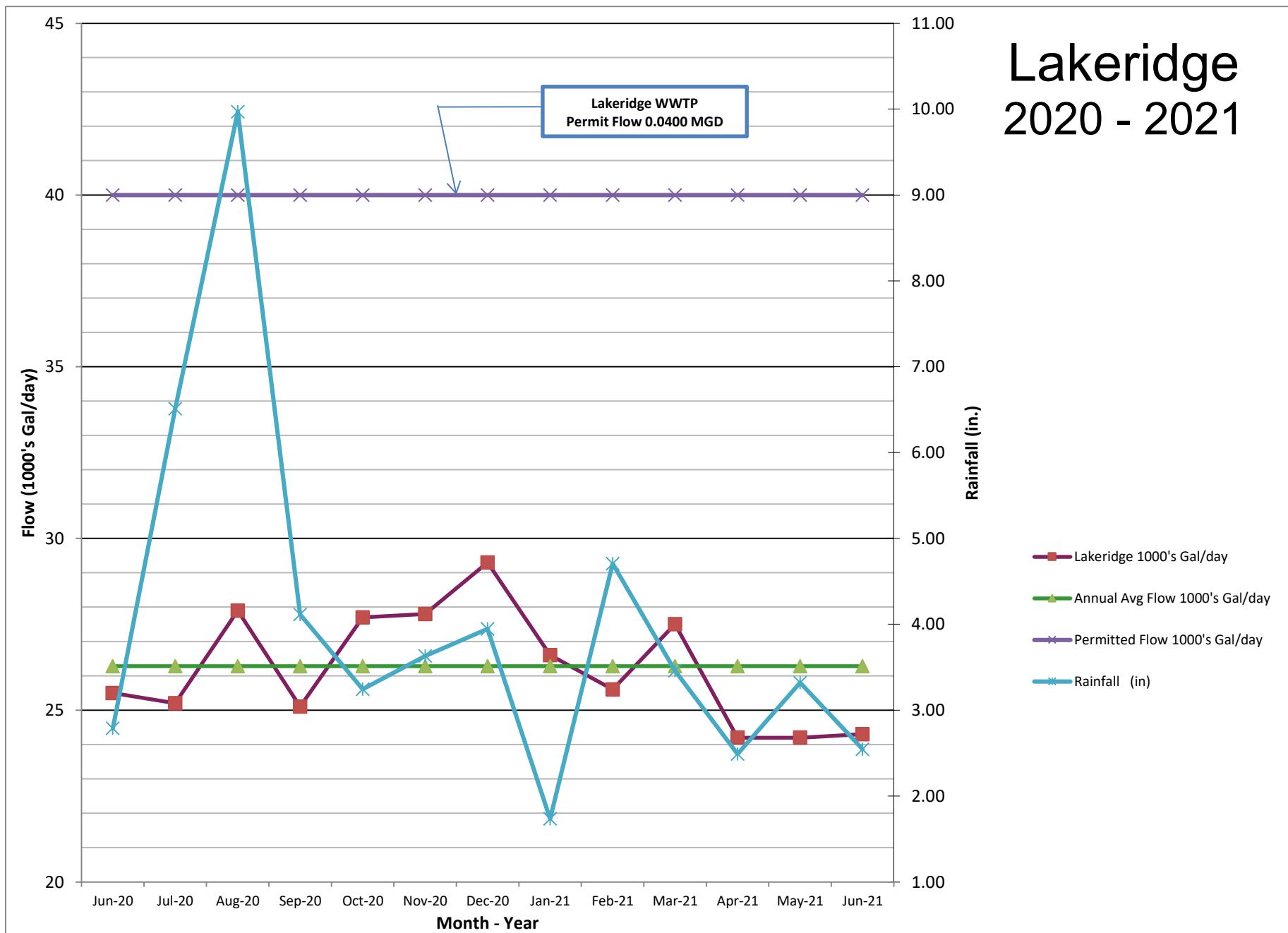
Eaglepointe 2020 - 2021



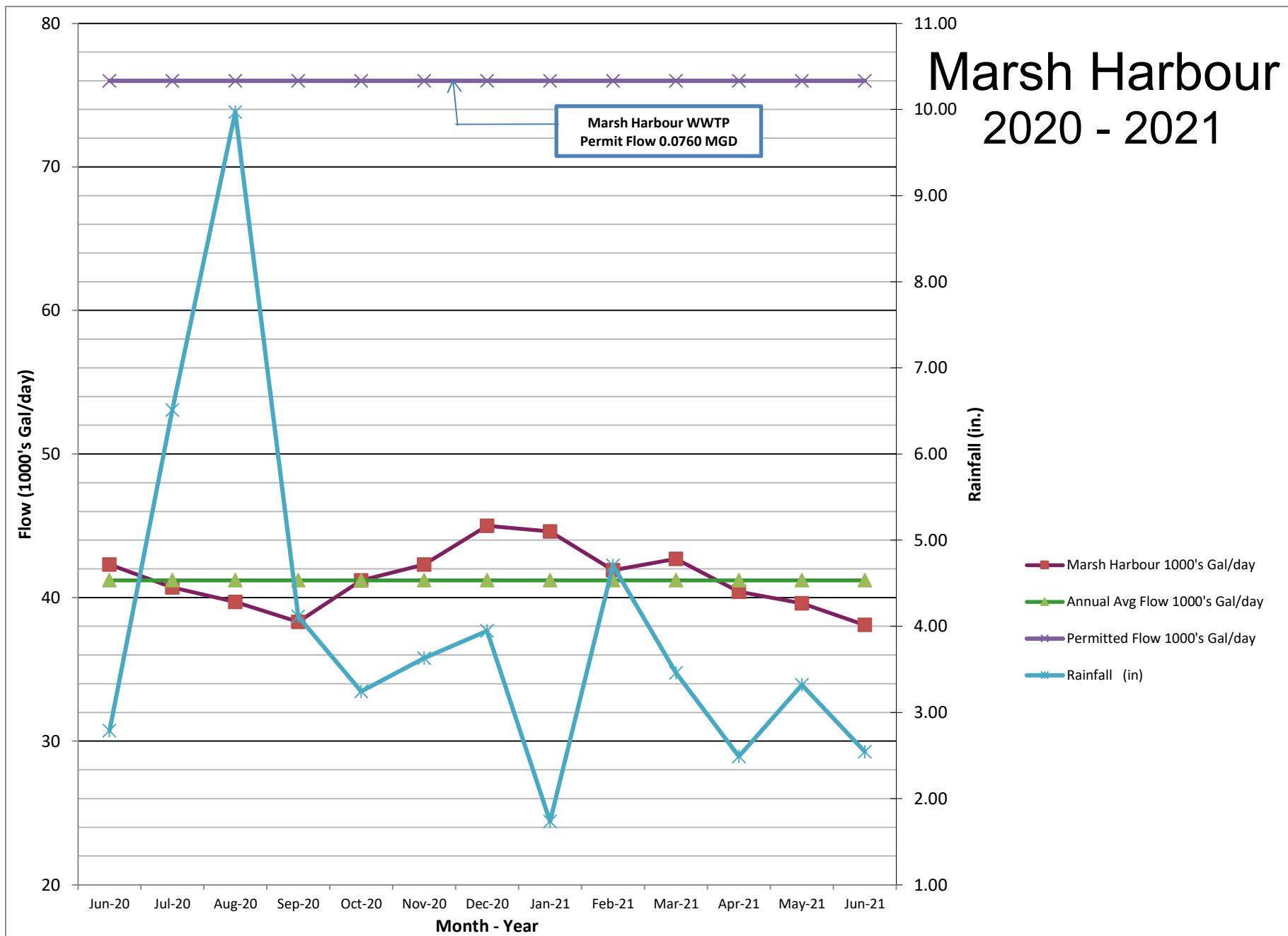
Greenridge 2020 - 2021



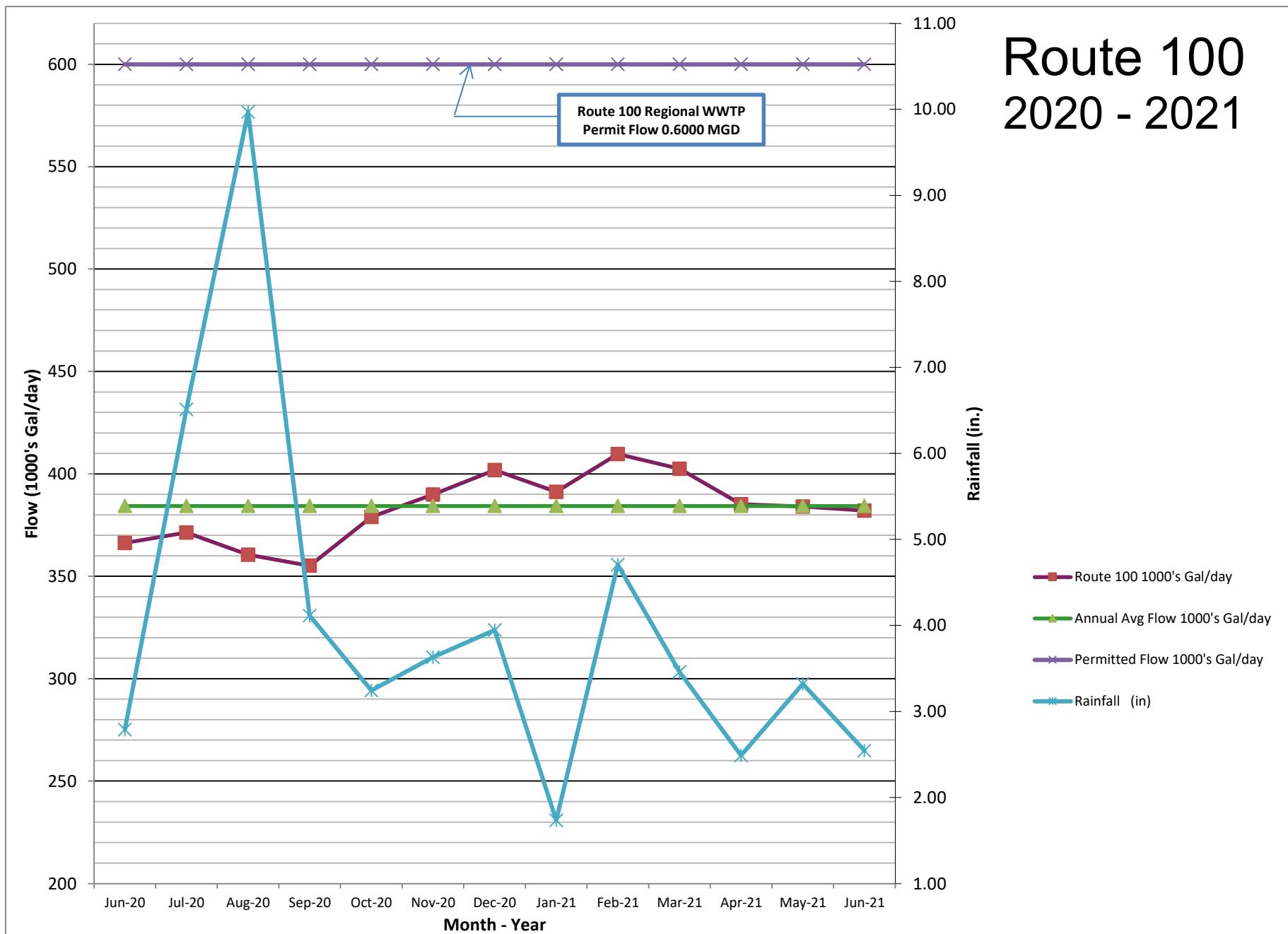
Lakeridge 2020 - 2021



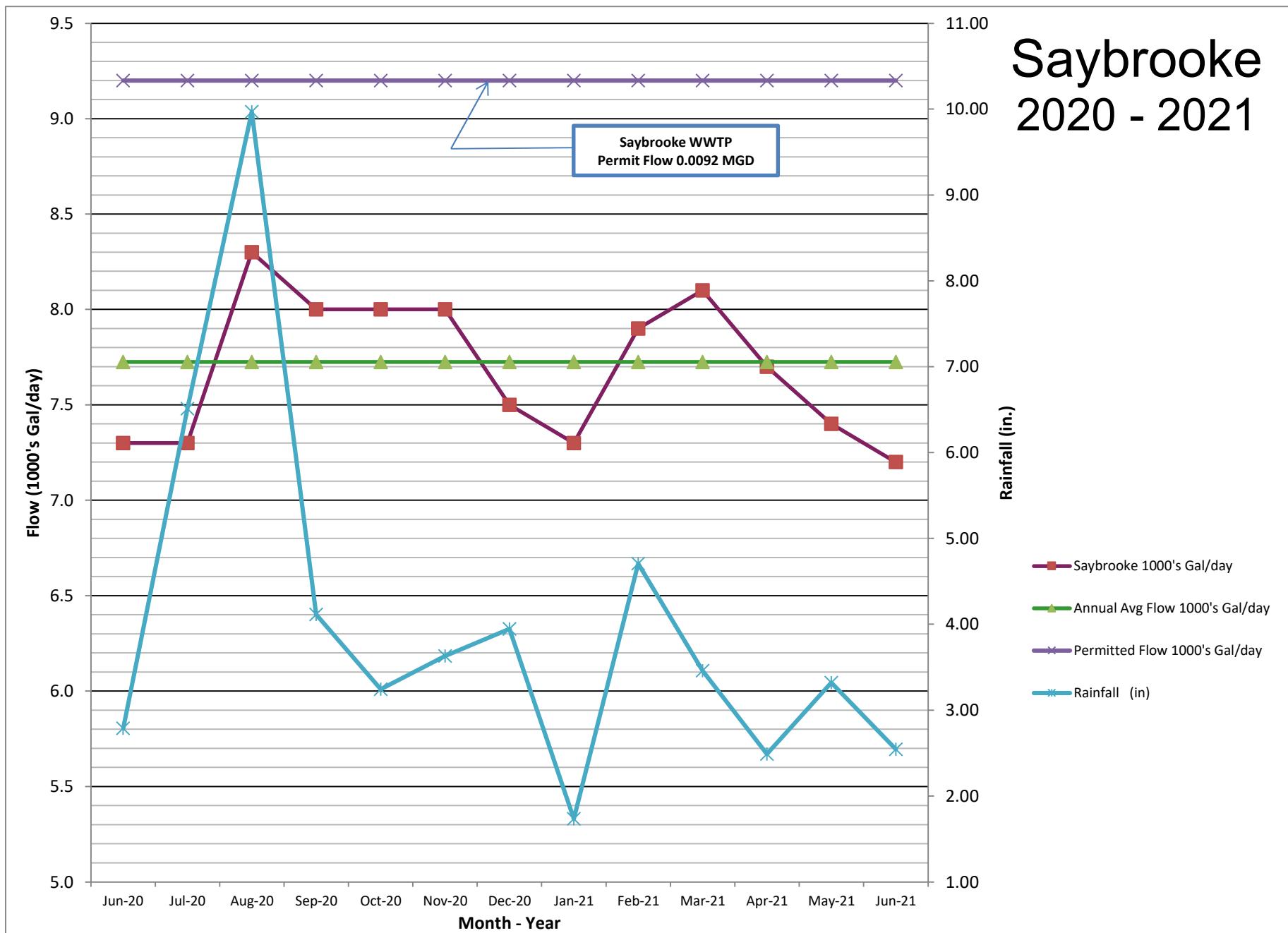
Marsh Harbour 2020 - 2021



Route 100 2020 - 2021

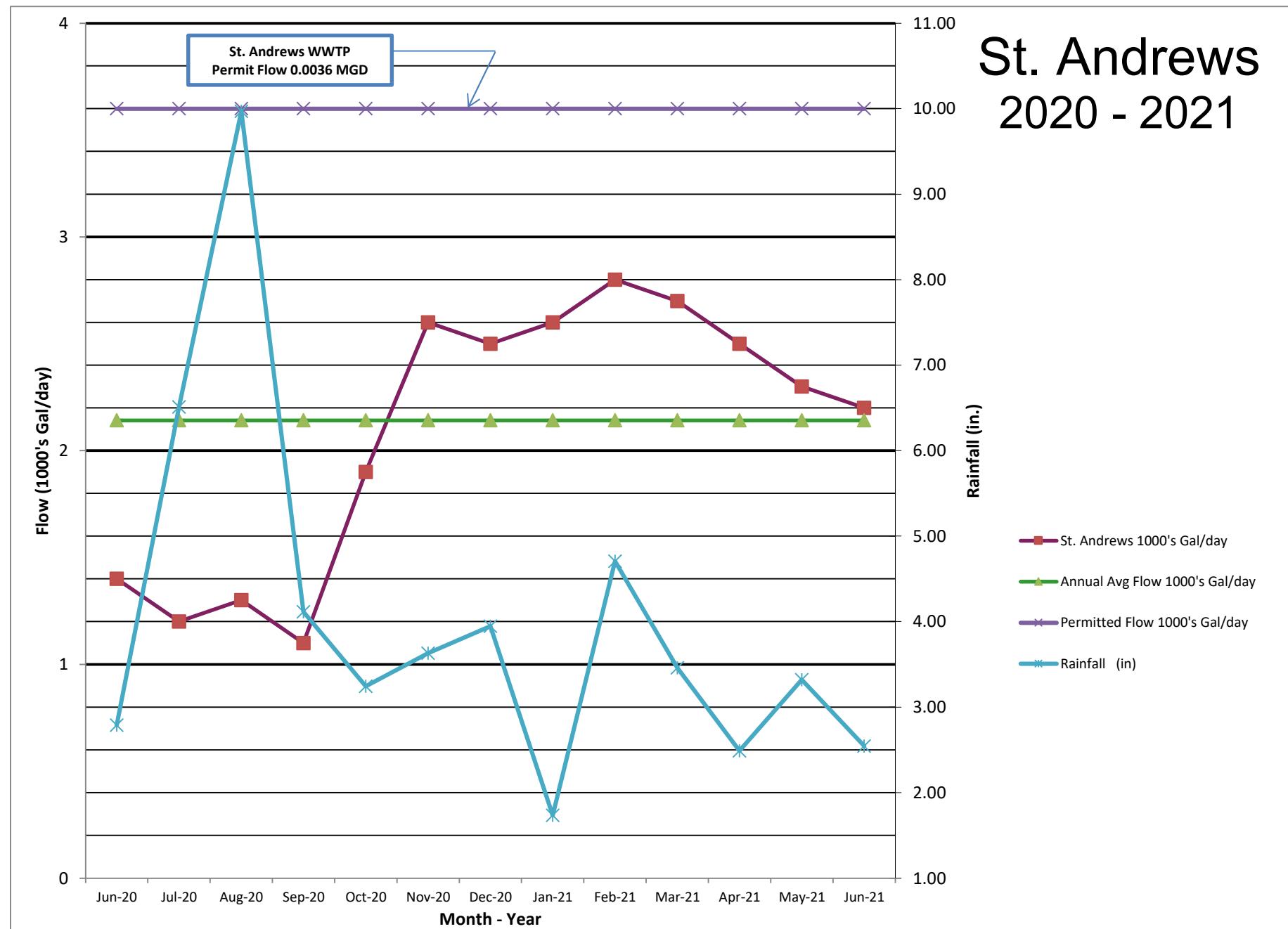


Saybrooke 2020 - 2021



St. Andrews

2020 - 2021





To: Municipal Authority Members
From: G. Matthew Brown, P.E., DEE
Re: Authority Administrator's Report
Date: July 23, 2021

Activities for the month include:

- A. Communication with WWTF Operator, ARRO and Township Staff regarding operational and maintenance issues. (53.0 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Ongoing communication with a resident in Stonehedge relative to concern over sewage odors adjacent to the former COLDs disposal field. This includes discussion with ARRO and the Chester County Health Department. (2.0 hours)
- D. Communication regarding septic system issues and/or possible connection to the sanitary sewer system. Inquiries included residents on Black Horse Road, Font Road, Meadow Creek Drive, Eagle Farms Road, Byers Road and E. Township Line Road. (4.0 hours)
- E. Further technical review of design information for the Greenridge WWTF upgrade and Meadow Creek Drive sewer line location. (6.0 hours)
- F. Communication with ARRO, PADEP and developer engineer regarding the WQM Permit for construction of Phase III of the Route 100 WWTF. (4.0 hours)
- G. Communication with ARRO and Operator regarding upgrades to Route 100 SCADA system as part of the Phase III expansion of the WWTF. (1.0 hours)
- H. Communication with Adam Loew, Authority Solicitor and ARRO regarding the easement in the Eaglepointe Shopping Center (2.0 hours)

Please advise if you have any questions or comments.



JUNE 2021 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.
- Tree work was done at Byers Station field edges. The woods have a lot of fallen trees in them. We are going to have to walk those areas when the spraying is activated to check the spray heads.
- Spot checks continue and all visitors are still using the sign-in sheets at all properties.

Public Works continues to work on the properties as follows:

Complete:

- **Route 100 WWTP**
 - General cleaning
 - Trash removal
 - Floors mopped
 - Buildings were pressure washed
 - Site checks
 - Sanitized all handles
 - Cleaned restroom
 - Resupplied cleaners and chemicals
- **Byers Station Effluent PS**
 - General cleaning of station
 - Swept floors
 - Trash removal
- **Byers Station Influent PS**
 - General cleaning of station
 - Site checks
- **Ewing PS**
 - General cleaning of station

- **Ewing West Vincent PS**
 - General cleaning of station
 - Site checks
- **Ewing Tract Effluent Disposal System**
 - Site checked
 - Cleaned facility
- **Eagle Hunt**
 - Site check
 - Continued painting of confined space areas
 - General cleaning of this location
- **Windsor Ridge**
 - General cleaning
 - Finished painting of confined space areas
 - Site checks
- **Saybrooke WWTP**
 - Site checks
 - General cleaning of station
- **Seabury**
 - Site check
- **Yarmouth PS1**
 - Site checked
 - Weeded
- **Yarmouth PS2**
 - Site checks
 - Weeded
- **St Andrews Brae**
 - Site checks
 - Weeded
 - Cleaned facility
- **St Andrews Brae PS (at St Andrews intersection)**
 - Site checks
- **Reserve Lagoon**
 - Site checks
 - General cleaning of station

- Reserve at Eagle PS1
 - Site checks
 - General cleaning of station
- Reserve at Eagle PS 2
 - Site checks
 - General cleaning of station
- Upland Farms PS/ Reserve at Waynebrook
 - Site checks
 - Cleaned facility
- Greenridge
 - Cleaning of station
 - Site checks
- Stonehedge
 - Site checks
 - General cleaning
- Marsh Harbour WWTP
 - Site checks
 - General cleaning
 - Trash removal
- Marsh Harbour PS
 - Site checks
- Meadowcreek
 - Site checks
- Eaglepointe
 - Trash collection and cleaning
 - Site checks
 - Mowed grass
- Heron Hill PS
 - Site check
- Lakeridge WWTP
 - General cleaning and trash removal
 - Site checks
- Lakeridge Pump Station
 - Site check
 - General cleaning

- **Eagle Farms Rd PS (WV)**
 - Started cleaning of light fixtures
 - Checked heater
 - General cleaning of station
- **Little Conestoga Rd PS**
 - Cleaned facility
 - Site checks
 - Mowed grass
- **Eagle Manor PS (Dorothy Ln)**
 - Site checks
- **Garrison Dr. (spray field pump station #1)**
 - Site checked
- **Garrison Dr. (spray field pump station #2)**
 - Site checked
 - Cleaned trash and recycling
- **Public Works continues to respond to Pa 1-calls. UUT responded to 95 PA 1-Call tickets during the month.**
- **Bee nests were eliminated as they were found**
- **We walked the spray fields in Byers and found that a lot of the stand-pipes are broken. We will be tallying them up and starting repairs on them shortly.**
- **We have equipment rental prices from Macanga to repair sewer lines sinking in Ivystone. We can probably eliminate any trucking costs by using our guys and agreements I have with other Townships. And we will use our sweeper truck also. It should be much less than what Macanga gave us for rental prices for the job.**

Respectfully submitted,

Michael G. Heckman
Director of Public Works
Upper Uwchlan Township