



## AGENDA

August 24, 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](mailto: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: July 27, 2021	2
III. Approval of Payments: August 2021	4
IV. Treasurer's Report	12
V. Authority Administration Reports	
A. Clean Water, Inc. Monthly Report	18
B. ARRO Consulting Monthly Report	20
C. Authority Administrator's Report	44
D. Public Works Department Report	45
VI. Open Session	
VII. Next Meeting Date: September 28, 2021 ~ 7:30 p.m.	
VIII. Adjournment	



## MEETING MINUTES

July 27, 2021

7:30 PM

**DRAFT**

In attendance via video teleconference: B. Watts, Chairman, H. Harper, Vice-Chairman, D. Carlson, Member, 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 7:35 PM.

### **Approval of Minutes**

Draft minutes of the June 22, 2021 meeting were presented. D. Carlson made a motion to approve the minutes as submitted. H. Harper seconded. It was so moved.

### **Approval of Payments**

Following a brief discussion and questions, a motion was made by D. Carlson to approve the payments for June 2021. H. Harper seconded. It was so moved. Following a brief discussion and questions D. Carlson moved to accept the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. H. Harper 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 noted no change in the status of the sites they were reviewing.

M. Brown shared that he would be meeting with Toll Brothers regarding the sanitary sewage disposal capacity of the site at 100 Greenridge Road. He noted that the project manager for Toll had indicated that preliminary testing was positive. Because of schedules, Toll had said they could not meet until the week of August 2<sup>nd</sup>.

M. Brown provided a memo from ARRO outlining recommended changes to the Non-Industrial Discharge Resolution. He noted the update places stricter compliance requirements on errant dischargers, updated the permitting process and established more robust penalties on errant dischargers. Following a brief discussion, D. Carlson moved, seconded by H. Harper to approve the updates. It was so moved.

Following several additional questions and a brief discussion on the reports, H. Harper then moved to accept the Authority Administrator's Reports as submitted. D. Carlson seconded. It was so moved.

### **Executive Session**

B. Watts, Chairman, called for an Executive Session at 7:47 PM to discuss personnel matters. The Executive Session ended at 7:55 PM.

### **Open Session**

One member of the public was in attendance to hear the discussion on the 100 Greenridge Road development.

### **Next Meeting Date: August 24, 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, H. Harper moved, seconded by D. Carlson to adjourn the meeting at 7:56 PM.

Respectfully submitted,

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

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Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2551 to 2589  
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
2551	07/26/21	CHRISFRA FRANTZ, CHRISTOPHER	1,118.00		2461
2552	08/24/21	21ST 21st CENTURY MEDIA PHILLY	154.78		2479
2553	08/24/21	ALSGROUP ALS GROUP USA, CORP	3,205.80		2479
2554	08/24/21	AQUAP010 AQUA PA	6,169.99		2479
2555	08/24/21	ARROC010 ARRO CONSULTING, INC.	29,148.25		2479
2556	08/24/21	ATTMOBIL AT & T MOBILITY	99.92		2479
2557	08/24/21	BUCKLO10 BUCKLEY, BRION, MCGUIRE, MORRI	873.44		2479
2558	08/24/21	CHRISFRA FRANTZ, CHRISTOPHER	301.00		2479
2559	08/24/21	CLEANWAT CLEAN WATER, INC.	6,455.00		2479
2560	08/24/21	COLLIFL COLLIFLOWER, INC	183.36		2479
2561	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	65.00		2479
2562	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	65.00		2479
2563	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	100.00		2479
2564	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	65.00		2479
2565	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	65.00		2479
2566	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	65.00		2479
2567	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA	65.00		2479
2568	08/24/21	DECKM010 DECKMAN MOTOR & PUMP, INC	713.95		2479
2569	08/24/21	DELTRUST DELAWARE VALLEY PROP&LIA TRST	4,012.50		2479
2570	08/24/21	EAGLHARD EAGLE HARDWARE	28.75		2479
2571	08/24/21	EDMUN010 EDMUNDS GOVTECH	1,363.85		2479
2572	08/24/21	EXCELO20 EXCELSIOR BLOWER SYSTEMS, INC	1,945.46		2479
2573	08/24/21	GLASG010 GLASGOW, INC.	4,386.31		2479
2574	08/24/21	HIGHW010 HIGHWAY MATERIALS, INC.	3,418.55		2479
2575	08/24/21	INKS0010 INK'S DISPOSAL SERVICE, INC.	1,375.00		2479
2576	08/24/21	KAPPEASS KAPPE ASSOCIATES, INC	60.00		2479
2577	08/24/21	MACAN010 MACANGA CONTRACTORS	950.00		2479
2578	08/24/21	MAPLEDIR MAPLE DIRECT INC	8.16		2479
2579	08/24/21	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	7,923.05		2479
2580	08/24/21	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,064.00		2479
2581	08/24/21	NAPA0010 NAPA AUTO PARTS	21.13		2479
2582	08/24/21	PECO0010 PECO ENERGY	16,426.77		2479
2583	08/24/21	PENNS080 PENNSYLVANIA ONE CALL	165.46		2479
2584	08/24/21	PIKEL020 PIKELAND CONSTRUCTION	1,940.00		2479
2585	08/24/21	PRED0010 PREDOC	1,140.00		2479
2586	08/24/21	SOLITUDE SOLITUDE LAKE MANAGEMENT	6,095.00		2479
2587	08/24/21	UNIVA010 UNIVAR USA INC	1,988.81		2479
2588	08/24/21	USABL020 USA BLUE BOOK	1,523.22		2479
2589	08/24/21	VERIZFIO VERIZON	1,206.69		2479

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	39	0	105,956.20	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	39	0	105,956.20	0.00

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Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2551 to 2589  
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 Contract	Ref Num
PO #	Item	Description					Ref Seq Acct
2551	07/26/21	CHRISFRA FRANTZ, CHRISTOPHER					2461
21-00936	1	june services	1,118.00	06-404-000-000 Legal Fees	Expenditure		1 1
2552	08/24/21	21ST 21st CENTURY MEDIA PHILLY					2479
21-01043	1	ma - financial statement	154.78	06-400-000-341 Advertising	Expenditure		1 1
2553	08/24/21	ALSGROUP ALS GROUP USA, CORP					2479
21-01047	1	marsh harbor	593.20	06-420-000-030 Testing	Expenditure		28 1
21-01047	2	marsh harbor	148.30	06-420-000-030 Testing	Expenditure		29 1
21-01047	3	upland farms	280.60	06-420-000-030 Testing	Expenditure		30 1
21-01047	4	upland farms	701.50	06-420-000-030 Testing	Expenditure		31 1
21-01047	5	waynebrook	288.40	06-420-000-030 Testing	Expenditure		32 1
21-01047	6	waynebrook	280.60	06-420-000-030 Testing	Expenditure		33 1
21-01047	7	lakeridge	446.10	06-420-000-030 Testing	Expenditure		34 1
21-01047	8	greenridge	467.10	06-420-000-030 Testing	Expenditure		35 1
			3,205.80				
2554	08/24/21	AQUAP010 AQUA PA					2479
21-01044	1	119 prescott dr	18.83	06-409-000-037 Water	Expenditure		2 1
21-01044	2	439 prescott dr	18.83	06-409-000-037 Water	Expenditure		3 1
21-01044	3	100 prescott dr	18.83	06-409-000-037 Water	Expenditure		4 1
21-01044	4	meadow creek lane	18.83	06-409-000-037 Water	Expenditure		5 1
21-01044	5	308 flagstone road	18.83	06-409-000-037 Water	Expenditure		6 1
21-01044	6	1 prospect hill blvd	54.92	06-409-000-037 Water	Expenditure		7 1
21-01044	7	528 walter court	21.32	06-409-000-037 Water	Expenditure		8 1
21-01044	8	325 fellowship road	5,775.54	06-409-000-037 Water	Expenditure		9 1
21-01044	9	658 collingwood terr	54.92	06-409-000-037 Water	Expenditure		10 1
21-01044	10	241 fellowship road	18.83	06-409-000-037 Water	Expenditure		11 1
21-01044	11	29 yarmouth lane	18.83	06-409-000-037 Water	Expenditure		12 1

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Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num	Ref Seq	Acct
PO #	Item	Description							
2554	AQUA PA	Continued							
21-01044	12	425 hemlock lane	54.92	06-409-000-037 Water	Expenditure		13		1
21-01044	13	2680 primrose court	18.83	06-409-000-037 Water	Expenditure		14		1
21-01044	14	381 lcr	18.83	06-409-000-037 Water	Expenditure		15		1
21-01044	15	111 dorothy lane	18.83	06-409-000-037 Water	Expenditure		16		1
21-01044	16	1120 sunderland ave	20.07	06-409-000-037 Water	Expenditure		17		1
			<u>6,169.99</u>						
2555	08/24/21	ARROC010 ARRO CONSULTING, INC.							2479
21-01046	1	project 10270.75 upland farms	217.50	06-408-000-000 Engineering Fees	Expenditure		19		1
21-01046	2	project 10270.74 rt 100	599.25	06-408-000-000 Engineering Fees	Expenditure		20		1
21-01046	3	project 10270.72 meadow creek	3,997.75	06-408-000-000 Engineering Fees	Expenditure		21		1
21-01046	4	project 10270.71 act 537	2,518.00	06-408-000-000 Engineering Fees	Expenditure		22		1
21-01046	5	project 10270.64 milford farms	2,380.75	06-408-000-000 Engineering Fees	Expenditure		23		1
21-01046	6	project 10270.56 route 100	1,718.50	06-408-000-000 Engineering Fees	Expenditure		24		1
21-01046	7	project 10270.48 byers road	2,030.75	06-408-000-000 Engineering Fees	Expenditure		25		1
21-01046	8	project 9310.42 ww sys admin	11,936.25	06-400-000-002 Authority Administrator	Expenditure		26		1
21-01046	9	project 17000 consulting	3,749.50	06-408-000-000 Engineering Fees	Expenditure		27		1
			<u>29,148.25</u>						
2556	08/24/21	ATMOBIL AT & T MOBILITY							2479
21-01045	1	telephone	99.92	06-409-000-032 Telephone	Expenditure		18		1
2557	08/24/21	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI							2479
21-01048	1	july - sewer collections	873.44	06-404-000-000 Legal Fees	Expenditure		36		1
2558	08/24/21	CHRISFRA FRANTZ, CHRISTOPHER							2479
21-01056	1	july services	301.00	06-404-000-000 Legal Fees	Expenditure		44		1
2559	08/24/21	CLEANWAT CLEAN WATER, INC.							2479
21-01057	1	monthly operations	6,455.00	06-420-000-045 Contracted Services	Expenditure		45		1
2560	08/24/21	COLLIPL COLLIFLOWER, INC							2479
21-01058	1	ma - suction, clamp	183.36	06-420-000-030 Testing	Expenditure		46		1

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Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num
PO #	Item	Description					Ref Seq Acct
2561	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01049	1	saybrooke	65.00	06-420-000-035 Permits	Expenditure		37 1
2562	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01050	1	st. andrews	65.00	06-420-000-035 Permits	Expenditure		38 1
2563	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01051	1	route 100	100.00	06-420-000-035 Permits	Expenditure		39 1
2564	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01052	1	marsh harbor	65.00	06-420-000-035 Permits	Expenditure		40 1
2565	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01053	1	greenridge	65.00	06-420-000-035 Permits	Expenditure		41 1
2566	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01054	1	eaglepointe	65.00	06-420-000-035 Permits	Expenditure		42 1
2567	08/24/21	COMMO010 COMMONWEALTH OF PENNSYLVANIA					2479
21-01055	1	lakeridge	65.00	06-420-000-035 Permits	Expenditure		43 1
2568	08/24/21	DECKM010 DECKMAN MOTOR & PUMP, INC					2479
21-01059	1	leeson motor for st. andrews	713.95	06-420-000-020 Supplies	Expenditure		47 1
2569	08/24/21	DELTRUST DELAWARE VALLEY PROP&LIA TRST					2479
21-01060	1	property insurance	2,723.05	06-409-000-035 Insurance	Expenditure		48 1
21-01060	2	liability insurance	1,289.45	06-400-000-352 Insurance - Liability	Expenditure		49 1
			<u>4,012.50</u>				
2570	08/24/21	EAGLHARD EAGLE HARDWARE					2479
21-01061	1	ma - spray paint	16.47	06-420-000-020 Supplies	Expenditure		50 1
21-01061	2	ma - spray paint	12.28	06-420-000-020 Supplies	Expenditure		51 1
			<u>28.75</u>				
2571	08/24/21	EDMUN010 EDMUNDS GOVTECH					2479
21-01062	1	q2 billing services	1,363.85	06-406-000-100 Utility Billing Costs	Expenditure		52 1
2572	08/24/21	EXCEL020 EXCELSIOR BLOWER SYSTEMS, INC					2479
21-01063	1	ma - blower	1,945.46	06-420-000-020 Supplies	Expenditure		53 1

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Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num	Ref Seq	Acct
PO #	Item	Description							
2573	08/24/21	GLASG010 GLASGOW, INC.					2479		
21-01064	1	100 tons	4,386.31	06-420-000-020 Supplies	Expenditure		54	1	
2574	08/24/21	HIGHW010 HIGHWAY MATERIALS, INC.					2479		
21-01065	1	60 tons	3,418.55	06-420-000-020 Supplies	Expenditure		55	1	
2575	08/24/21	INKS0010 INK'S DISPOSAL SERVICE, INC.					2479		
21-01066	1	cleaned filters, manholes	1,375.00	06-420-000-025 Maintenance & Repair	Expenditure		56	1	
2576	08/24/21	KAPPEASS KAPPE ASSOCIATES, INC					2479		
21-01067	1	MA - batteries	60.00	06-420-000-020 Supplies	Expenditure		57	1	
2577	08/24/21	MACAN010 MACANGA CONTRACTORS					2479		
21-01077	1	equipment rental	950.00	06-420-000-045 Contracted Services	Expenditure		117	1	
2578	08/24/21	MAPLEDIR MAPLE DIRECT INC					2479		
21-01068	1	postage	8.16	06-406-000-100 Utility Billing Costs	Expenditure		58	1	
2579	08/24/21	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC					2479		
21-01069	1	byers station	2,026.01	06-420-000-031 Pump & Haul	Expenditure		59	1	
21-01069	2	route 100	77.63	06-420-000-031 Pump & Haul	Expenditure		60	1	
21-01069	3	route 100	77.63	06-420-000-031 Pump & Haul	Expenditure		61	1	
21-01069	4	route 100	4,214.11	06-420-000-031 Pump & Haul	Expenditure		62	1	
21-01069	5	route 100	77.63	06-420-000-031 Pump & Haul	Expenditure		63	1	
21-01069	6	route 100	77.63	06-420-000-031 Pump & Haul	Expenditure		64	1	
21-01069	7	eaglepointe	131.96	06-420-000-031 Pump & Haul	Expenditure		65	1	
21-01069	8	eaglepointe	351.90	06-420-000-031 Pump & Haul	Expenditure		66	1	
21-01069	9	eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure		67	1	
21-01069	10	eaglepointe	351.90	06-420-000-031 Pump & Haul	Expenditure		68	1	
21-01069	11	eaglepointe	131.96	06-420-000-031 Pump & Haul	Expenditure		69	1	
			<u>7,923.05</u>						
2580	08/24/21	MJREIDER M. J. REIDER ASSOCIATES, INC.					2479		
21-01070	1	saybrooke	42.00	06-420-000-030 Testing	Expenditure		70	1	



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Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num	
PO #	Item	Description					Ref Seq	Acct
2580	M. J. REIDER ASSOCIATES, INC.	Continued						
21-01070	2	lakeridge	108.50	06-420-000-030 Testing	Expenditure		71	1
21-01070	3	marsh harbor	122.50	06-420-000-030 Testing	Expenditure		72	1
21-01070	4	greenridge	108.50	06-420-000-030 Testing	Expenditure		73	1
21-01070	5	eaglepointe	178.50	06-420-000-030 Testing	Expenditure		74	1
21-01070	6	reserve,eagle hunt,byers,ewing	56.00	06-420-000-030 Testing	Expenditure		75	1
21-01070	7	saybrooke	42.00	06-420-000-030 Testing	Expenditure		76	1
21-01070	8	rt 100 wwtp	77.00	06-420-000-030 Testing	Expenditure		77	1
21-01070	9	st. andrews	77.00	06-420-000-030 Testing	Expenditure		78	1
21-01070	10	st. andrews	42.00	06-420-000-030 Testing	Expenditure		79	1
21-01070	11	saybrooke	77.00	06-420-000-030 Testing	Expenditure		80	1
21-01070	12	st. andrews	119.00	06-420-000-030 Testing	Expenditure		81	1
21-01070	13	st. andrews	14.00	06-420-000-030 Testing	Expenditure		82	1
			1,064.00					
2581	08/24/21	NAPA0010 NAPA AUTO PARTS					2479	
21-01071	1	ma - filters	21.13	06-420-000-020 Supplies	Expenditure		83	1
2582	08/24/21	PECO0010 PECO ENERGY					2479	
21-01075	1	304 fellowship road	107.25	06-409-000-036 Electric	Expenditure		88	1
21-01075	2	2500 eagle farms road	137.57	06-409-000-036 Electric	Expenditure		89	1
21-01075	3	seabury lane	33.21	06-409-000-036 Electric	Expenditure		90	1
21-01075	4	primrose court	317.85	06-409-000-036 Electric	Expenditure		91	1
21-01075	5	314 prescott drive	362.95	06-409-000-036 Electric	Expenditure		92	1
21-01075	6	meadow creek lane	30.30	06-409-000-036 Electric	Expenditure		93	1
21-01075	7	301 pottstown pike	632.34	06-409-000-036 Electric	Expenditure		94	1
21-01075	8	kristines/milford	97.17	06-409-000-036 Electric	Expenditure		95	1
21-01075	9	711 dorian road	328.24	06-409-000-036 Electric	Expenditure		96	1
21-01075	10	111 dorothy lane	70.61	06-409-000-036 Electric	Expenditure		97	1

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Check #	Check Date	Vendor		Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num	
PO #	Item	Description						Ref Seq	Acct
2582	PECO ENERGY	Continued							
21-01075	11	dorlan drive		1,300.46	06-409-000-036 Electric	Expenditure		98	1
21-01075	12	381 lcr		159.52	06-409-000-036 Electric	Expenditure		99	1
21-01075	13	milford road		28.70	06-409-000-036 Electric	Expenditure		100	1
21-01075	14	st. andrews road		35.19	06-409-000-036 Electric	Expenditure		101	1
21-01075	15	park road		1,453.02	06-409-000-036 Electric	Expenditure		102	1
21-01075	16	55 pottstown pike		629.83	06-409-000-036 Electric	Expenditure		103	1
21-01075	17	yarmouth lane		231.67	06-409-000-036 Electric	Expenditure		104	1
21-01075	18	sunderland ave		2,083.83	06-409-000-036 Electric	Expenditure		105	1
21-01075	19	kiloran wynd drive		180.48	06-409-000-036 Electric	Expenditure		106	1
21-01075	20	flagstone road		731.57	06-409-000-036 Electric	Expenditure		107	1
21-01075	21	yarmouth lane		36.99	06-409-000-036 Electric	Expenditure		108	1
21-01075	22	140 pottstown pike		153.34	06-409-000-036 Electric	Expenditure		109	1
21-01075	23	275 fellowship road		6,467.76	06-409-000-036 Electric	Expenditure		110	1
21-01075	24	heron hill drive		146.62	06-409-000-036 Electric	Expenditure		111	1
21-01075	25	indian springs drive		103.77	06-409-000-036 Electric	Expenditure		112	1
21-01075	26	yarmouth lane		52.49	06-409-000-036 Electric	Expenditure		113	1
21-01075	27	hemlock lane		76.35	06-409-000-036 Electric	Expenditure		114	1
21-01075	28	fellowship road		437.69	06-409-000-036 Electric	Expenditure		115	1
				<u>16,426.77</u>					
2583	08/24/21	PENNS080 PENNSYLVANIA ONE CALL						2479	
21-01073	1	pa one call		165.46	06-420-000-329 PA One Call	Expenditure		86	1
2584	08/24/21	PIKEL020 PIKELAND CONSTRUCTION						2479	
21-01074	1	seal conduits in cable box		1,940.00	06-420-000-045 Contracted Services	Expenditure		87	1
2585	08/24/21	PRED0010 PREDOC						2479	
21-01072	1	69 darrell drive		760.00	06-420-000-025 Maintenance & Repair	Expenditure		84	1

August 20, 2021  
12:58 PM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 7

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num	Ref Seq	Acct
PO #	Item	Description							
2585	PREDOC	Continued							
21-01072	2	69 darrell drive	380.00	06-420-000-025	Expenditure		85	1	
				Maintenance & Repair					
			1,140.00						
2586	08/24/21	SOLITUDE SOLITUDE LAKE MANAGEMENT					2479		
21-01076	1	algae treatment in lagoons	6,095.00	06-420-000-045	Expenditure		116	1	
				Contracted Services					
2587	08/24/21	UNIVA010 UNIVAR USA INC					2479		
21-01079	1	delpac 2020	1,988.81	06-420-000-022	Expenditure		120	1	
				Chemicals					
2588	08/24/21	USABL020 USA BLUE BOOK					2479		
21-01078	1	aquashade, dechlorination tabs	1,103.32	06-420-000-022	Expenditure		118	1	
				Chemicals					
21-01078	2	dechlorination tablets	419.90	06-420-000-022	Expenditure		119	1	
				Chemicals					
			1,523.22						
2589	08/24/21	VERIZFIO VERIZON					2479		
21-01080	1	internet	132.73	06-409-000-032	Expenditure		121	1	
				Telephone					
21-01080	2	august telephone	1,073.96	06-409-000-032	Expenditure		122	1	
				Telephone					
			1,206.69						

Report Totals	Paid	Void	Amount Paid	Amount Void
Checks:	39	0	105,956.20	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	39	0	105,956.20	0.00

## Upper Uwchlan Township Municipal Authority

## Balance Sheet

As of July 31, 2021

## ASSETS

<u>Cash</u>		
06-100-000-010	General Checking - Fulton Bank	\$ 153,628.70
06-100-000-015	General Checking - Meridian Bank	192,176.79
06-100-000-020	General Checking - WIPP	403,374.91
06-106-000-002	Connection Fee Account	687,798.38
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA	5,362,469.26
	<b>Total Cash</b>	<b>6,799,448.04</b>
<u>PSDLAF Investments:</u>		
06-109-000-003	CD Program	-
06-109-000-004	Full Flex	188.21
		<b>188.21</b>
	<b>Total Investments</b>	<b>188.21</b>
<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	546.00
	<b>Total Accounts Receivable</b>	<b>286,534.16</b>
<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	9,794.93
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	-
	<b>Total Other Current Assets</b>	<b>9,794.93</b>
<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)	191,298.51
	<b>Total Fixed Assets</b>	<b>2,099,387.37</b>
<u>Other Long Term Assets</u>		
06-162-000-002	Excess Treatment Capacity	1,649,293.24
	<b>Total Other Long Term Assets</b>	<b>1,649,293.24</b>
<b>Total Assets</b>		<b>\$ 10,844,645.95</b>

Upper Uwchlan Township Municipal Authority  
Balance Sheet  
As of July 31, 2021

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	22,061.32
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	38,939.95
06-230-000-040	Due to Water Resource Protection Fund	-
06-230-000-050	Due to Sewer Fund	-
06-230-000-060	Due to Developer's Escrow Fund	-
06-230-000-070	Due to UUT Sewer Fund - 2019 Bonds	5,205,556.07
06-240-000-000	Accrued Expenses	29,148.25
06-241-000-100	Retainage on Phase II Construction Project	-
06-245-000-000	Due to Customers	275.00
	<b>Total Current Liabilities</b>	<b>5,295,980.59</b>
<u>Equity</u>		
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	4,256,486.92
	Current Period Net Income (Loss)	538,678.09
	<b>Total Equity</b>	<b>5,548,665.36</b>
	Total Fund Balance	5,548,665.36
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 10,844,645.95</b>

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

**For the Period Ended July 31, 2021**

	Actual 2021 YTD	Budget 2021	% of Budget	Actual 2020 <i>(audited)</i>	Budget 2020
<b>REVENUES</b>					
06-340-000-000 Interest Income	\$ 3,943.95	\$ 43,500.00	9.1%	36,969.00	\$ 80,000.00
06-365-000-000 Usage Fees Residential	1,269,991.17	2,250,000.00	56.4%	2,276,275.00	2,293,851.00
06-365-000-001 Usage Fees Commercial	62,585.44	100,000.00	62.6%	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	7,050.00	465,000.00	1.5%	11,471.00	-
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
<b>TOTAL REVENUES</b>	<b>\$ 1,630,398.78</b>	<b>\$ 7,537,250.00</b>	<b>21.6%</b>	<b>\$ 2,473,366.00</b>	<b>\$ 3,997,101.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration	148,953.32	264,736.00	56.3%	245,253.00	273,821.00
06-400-000-002 Authority Administrator	73,500.60	120,000.00	61.3%	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	74.00	650.00	11.4%	97.00	650.00
06-402-000-450 Audit Fees	6,050.00	7,500.00	80.7%	5,800.00	5,450.00
06-404-000-000 Legal Fees	6,310.25	25,000.00	25.2%	5,460.00	25,000.00
06-406-000-100 Utility Billing Costs	4,487.94	13,000.00	34.5%	12,608.00	12,000.00
06-408-000-000 Engineering Fees	218,317.91	150,000.00	145.5%	410,263.00	175,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	460,792.92	595,256.00	77.4%	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	9,775.44	15,000.00	65.2%	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	133,916.42	250,000.00	53.6%	194,595.00	250,000.00
06-409-000-037 Water	11,073.28	20,000.00	55.4%	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!	-	-
	160,211.24	330,000.00	48.5%	234,157.00	326,078.00
<u>Operations:</u>					
06-420-000-020 Supplies	3,184.76	50,000.00	6.4%	25,453.00	50,000.00
06-420-000-022 Chemicals	5,932.72	15,000.00	39.6%	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	77,113.83	120,000.00	64.3%	158,210.00	120,000.00
06-420-000-030 Testing	22,502.40	35,000.00	64.3%	36,203.00	35,000.00
06-420-000-031 Pump & Haul	56,307.58	60,000.00	93.8%	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	13,942.00	5,000.00	278.8%	2,878.00	5,000.00
06-420-000-042 Dues and Memberships	-	-	#DIV/0!	75.00	-
06-420-000-045 Contracted Services	71,155.00	150,000.00	47.4%	161,528.00	150,000.00
06-420-000-048 Misc expenses	697.70	10,000.00	7.0%	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	766.38	2,500.00	30.7%	1,875.00	2,500.00
	261,624.10	474,500.00	55.1%	503,706.00	464,500.00

Upper Uwchlan Township Municipal Authority  
Statement of Revenues and Expenditures

For the Period Ended July 31, 2021  
(Continued)

		Actual 2021 YTD	Budget 2021	% of Budget	Actual 2020 <i>(Unaudited)</i>	Budget 2020
	<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
		42,624.45	2,900,000.00	1.5%	126,102.00	1,650,000.00
<b>Total Expenditures before Operations Agreement and Transfers</b>		<b>\$ 925,252.71</b>	<b>\$ 4,299,756.00</b>	<b>21.5%</b>	<b>\$ 1,675,179.00</b>	<b>\$ 3,075,869.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ 705,146.07</b>	<b>\$ 3,237,494.00</b>	<b>21.8%</b>	<b>798,187.00</b>	<b>921,232.00</b>
	<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
		166,467.98	572,944.00	29.1%	572,688.00	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!	-	-
		-	-	#DIV/0!	-	-
<b>TOTAL EXPENDITURES</b>		<b>\$ 1,091,720.69</b>	<b>\$ 4,872,700.00</b>	<b>22.4%</b>	<b>\$ 2,247,867.00</b>	<b>\$ 3,648,663.00</b>
<b>OPERATING INCOME</b>		<b>\$ 538,678.09</b>	<b>\$ 2,664,550.00</b>	<b>20.2%</b>	<b>\$ 225,499.00</b>	<b>\$ 348,438.00</b>

Upper Uwchlan Township Municipal Authority  
Sewer Billings

*Month to Month Change in Receivables and Collections*

	July 2021	June 2021	Change
Beginning Receivable Balance	289,022.06	289,022.06	-
<u>Billings:</u>			
Calculated charges billed	1,748,647.27	1,160,228.76	588,418.51
Billing adjustments			-
Late payment penalty	64,361.12	64,361.12	-
Adjustments	(6,037.40)	(4,884.21)	(1,153.19)
	2,095,993.05	1,508,727.73	587,265.32
<u>Less:</u>			
Collections*	1,332,386.61	1,220,888.99	(111,497.62)
Receivable balance, month end	763,606.44	287,838.74	475,767.70

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



Upper Uwchlan Township Municipal Authority  
Sewer Billings

*Month to Month Change in Delinquent Accounts*

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

	7/31/2020	2/28/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021
Number of delinquent accounts	138	208	118	94	136	109
Total delinquent balance	\$ 184,455	\$ 260,473	\$ 217,040	\$ 208,428	\$ 240,052	\$ 210,043

2021 Payment Schedule

	<u>Bills Mailed</u>	<u>Payment Due</u>
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

# Clean Water, Inc.

170 Dallas St.  
Box 475  
Atglen, Pa. 19310

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

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

August 14, 2021

RE: Report for the August meeting

Dear Authority,

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

## **Route 100**

We continue to spray as conditions and harvesting allow. The lagoons at Byers and Route 100 were sprayed for algae. They have a planktonic bloom that this heat has made more difficult to maintain. A second treatment may be necessary. The influent pump mentioned last month has been rebuilt and returned to service. Work is almost complete in tying in the water and wastewater force main for the Upland Farms house and barn.

## **Eaglepointe**

Sludge was removed. Flows have reduced slightly recently.

## **Marsh Harbour**

Plant is running fine. The field has been harvested and spray has resumed. I will have Ehrlich out to spray for weeds around the inside of lagoon.

## **Lakeridge**

Plant is running fine. The influent pump station will be cleaned shortly by McGovern.

## **Saybrooke**

Facility is running fine. Sludge was removed.

*Clean Water, Inc. Wastewater Treatment Specialists*

**Greenridge**

The drip has been turned off for cut and harvest. Weeds will need to be sprayed here as well.

**St. Andrews**

Plant is running fine. The parts mentioned last month have arrived.

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

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## MEMORANDUM

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TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: August 19, 2021

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

### Byers Station

**Village at Byers Station (5C), Lot #1 Townhouse Parcel:** The Village at Byers Station (Parcel 5C) pre-construction meeting was held on October 18, 2017. Construction is expected to start within three weeks. The Village at Byers Station (Parcel 5C) site contractor, by email dated November 14, 2017, started submitting its sanitary sewer shop drawing submittals. ARRO reviewed and commented on the submittals. Brubacher Excavating started sanitary sewer installation work on January 4, 2018. The Village of Byers Station (5C) sanitary sewer installation work continues through February 2018, approximately 40% of the sewer mains and laterals have been installed. Sanitary sewer installation work continues through March 2018. As of mid-April 2018, all sanitary sewer mains and laterals have been installed and air tested, while 75 percent of the sewer mains have also passed deflection testing. As of mid-May 2018, all sanitary sewer mains have passed pressure and deflection testing and only manhole vacuum testing remains to be done after base paving is completed. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. ARRO approved escrow release No. 1 in the amount of \$302,330.01 by letter dated September 6, 2018. Installation of the gravity house service line to each new townhouse began on September 13, 2018. ARRO reviewed the sanitary sewer videos submitted by Toll Brothers on October 19, 2018. The pipe is in good condition with only minor debris in a few runs that need to be flushed and cleaned. ARRO emailed Toll Brothers on November 2, 2018 with a list of the runs that needed cleaned. Installation of the last four house service lines to new townhouses was completed on March 3, 2021.

ARRO received an August 10, 2021 email from Toll Brothers requesting ARRO observe the current condition of the sanitary sewer and prepare a list of items to complete ahead of sanitary sewer system dedication. ARRO will conduct the work the week of August 23, 2021.

**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 (SFPM) package. The Developer's engineer submitted a 9,025 gpd sanitary sewer capacity request at the Route 100 WWTP facility. ARRO reviewed the Amended Final PRD Plans submitted by Bohler Engineering and prepared a February 27, 2018 letter to the Township with comments to the Plans. Sewage Facilities Planning Modules were sent to PADEP on April 18, 2018. ARRO reviewed Amended Final PRD Plans, last revised May 7, 2018, and submitted a May 30, 2018 letter to the Township containing comments to the

Plans. Additional revised Plans were submitted on July 12, 2018 and are currently under review. The PADEP SFPM approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019 comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors' meeting, it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. The Authority Administrator sent a December 9, 2019 letter to PADEP with responses to comments contained in the October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020 letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project. ARRO received revised land development plans, dated October 8, 2020. ARRO reviewed the plans and had no additional comments to the sanitary sewer portions of the plans. ARRO reviewed the sanitary sewer escrow submitted on October 12, 2020 by Toll Brothers. ARRO prepared an October 13, 2020 letter to the Township stating it had no comments to the \$147,396.00 sanitary sewer escrow estimate. The project's preconstruction meeting was held on October 21, 2020. Work to clear and rough grade the site is expected to start at the beginning of November 2020. Sanitary sewer installation is not expected to start until February 2021. Toll Brothers submitted the project's site sanitary sewer construction bond to the Township. 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.

Nothing new to report.

**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.

ARRO attended a July 29, 2021 meeting with Eagle Retail Associates and the prospective future owner of Eaglepointe to discuss the proposed Dilibero sanitary sewer that will cross through the Eaglepointe lot containing Citadel Credit Union.

ARRO prepared exhibit drawings showing temporary and permanent sanitary sewer easements across both the Citadel Credit Union and Eagle Service Center lots. Based on initial discussions some revisions were made and easement agreements will be drafted.

### **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 Fetter's Property prepared for McKee-Milford Associates, LP, dated October 12, 2016. ARRO prepared a review letter to the Township, dated November 8, 2016. The Developer is proposing 375 Housing Units, which will produce 62,675 gallons per day of sanitary sewer flow. The Developer is proposing participation in upgrades to the Route 100 Regional WWTP facility that will trigger the Phase 3 expansion of the WWTP. A review of the capacity within the downstream collection and conveyance system is required to determine the extent of improvements necessary to accept the proposed sewage flow. Preliminary Subdivision/Land Development Plans were submitted to ARRO and are currently under review. The Plans call for 375 mixed Single Family, Twin and Triple units and a Community Center to be built in the subdivision. The subdivision will connect to the Reserve at Eagle by way of Prescott Drive and to the Reserve at Chester Springs by way of Radek Court. The sanitary sewer disposal requirements are calculated to be 62,675 gpd. On-site drip disposal capacity is calculated to be 42,643 gpd, and the off-site sewage disposal requirement is 20,032 gpd. The combination gravity and low-pressure sanitary sewer systems will be directed to the Reserve at Eagle Pump Station No. 1 off Prescott Drive. Preliminary Subdivision/Land Development Plans were submitted and reviewed by ARRO. ARRO comments were submitted in an April 10, 2017 letter to the Township. ARRO is in the process of reviewing the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Application. ARRO reviewed the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Plan and submitted comments to the plan in a July 10, 2017 letter to the Township. ARRO also reviewed the subdivision's low-pressure sewer system design calculations and submitted comments to the design in a July 12, 2017 letter to the Township. ARRO reviewed an August 1, 2017 revision to the low-pressure sewer system design calculations and drawings and submitted an August 16, 2017 letter to the Township with comments to the revision materials. ARRO has started an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the



Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. The evaluation is substantially complete with the exception of emergency generator assessment. ARRO continues an evaluation of Upland Farms drip disposal to ascertain the facility's capability to store and dispose the Fetter Tract effluent. ARRO reviewed the Sewage Facilities Planning Module (SFPM) and is working on the sanitary sewer review. The Authority Administrator signed the SFPM Component 3 Sections G and J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. 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's 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's Tract 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, McKee transmitted Phase 1 sanitary sewer escrow release No. 2 request to ARRO. ARRO is in the process of reviewing the request.

After reviewing McKee's Phase 1 sanitary sewer escrow release No. 2 request, ARRO prepared a list of items to complete based on ARRO RPR records. ARRO also prepared a letter to the Township recommending withholding \$19,721.85 to cover the costs to complete the work items in the list and finding acceptable the release of \$207,270.85 to McKee.

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 SFPD 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 August 19, 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. SFPM Components 4A, 4B and 4C were received, but the bog turtle clearance letter from PA Fish & Wildlife is still outstanding. The UUT Board of Supervisors authorized the resolution needed for the Sewage Facilities Planning Module at their October 15, 2018 meeting but are holding it until the clearance letter is issued. ARRO prepared an August 30, 2018 sanitary sewer review letter to the latest Preliminary/Final Subdivision-Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. On February 4, 2019, ARRO received the preliminary sanitary sewer escrow calculations from Toll Brothers. ARRO reviewed the calculations and returned comments to Toll. Revised calculations were received and after review were accepted by ARRO. ARRO prepared and sent a letter to the Township recommending acceptance of the sanitary escrow in the amount of \$425,955.60. On February 27, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by letter dated March 11, 2019. On March 18, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by email dated April 1, 2019. On April 2, 2019 ARRO received from Toll Brothers a revised sanitary sewer escrow calculation based on the latest E. B. Walsh drawings. ARRO prepared an April 2 letter to the Township recommending accepting the revised escrow amount. ARRO received a May 22, 2019 email from Toll Brothers stating Jankowski construction might start in July 2019. A pre-construction meeting for the project has been scheduled for July 24, 2019. ARRO attended the July 24, 2019 pre-construction meeting and the August 21, 2019 PennDOT HOP site meeting. Sanitary sewer installation for the project is set to begin on August 26, 2019 starting offsite in

Windsor Ridge's Garrison Drive. Sanitary sewer installation for the project began on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Garrison Drive sanitary sewer installation is almost complete and the contractor intends to continue its work in the Jankowski site. The boring for the sanitary sewer casing under Route 100 linking Jankowski and Windsor Ridge will take place sometime in October 2019. The sanitary sewer casing boring under Route 100 linking Jankowski and Windsor Ridge is scheduled for the week of October 28, 2019. The boring and casing work under Route 100 was completed the week of November 18, 2019. In order to correct a sewer misalignment through the casing Toll Brothers agreed to install two new manholes, one upstream and one downstream of the casing, and also relocate a recently installed manhole to achieve minimum sewer slope required by PADEP. Sanitary sewer installation continues within the site. Over the weeks of January 6 through January 13, 2020 two new manholes, one upstream and one downstream of the casing, were installed and one existing manhole in Garrison Drive was relocated to achieve minimum sewer slope required by PADEP. Sanitary sewer installation still continues within the site. Testing of sanitary sewer through Milford Road Extension, across Route 100 and in Windsor Ridge's Garrison Drive started the last week of January 2020 and continued into early February; all testing was positive. Installation of the gravity house service line to each new home has resumed the week of May 18, 2020. Testing of the onsite sanitary sewer continued the week of June 15, 2020. Testing of all onsite sanitary sewer was completed. Sanitary sewer televising was completed and submitted to ARRO for review and comment. 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.

Nothing new to report.

### **Reserve at Eagle**

Nothing new to report.

### **Route 100 WWTP**

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the

December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to reroute 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).

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.

ARRO went to the August 2021 Township Planning Commission meeting and received comments from the Commission to the Act 537 Plan. ARRO is in the process of preparing responses to these comments and revising the Plan based on the comments. ARRO has yet to receive comments to the Plan from the Chester County Planning Commission and the Chester County Health Department.

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.

On August 18, 2021, PADEP transmitted to the Authority a revised Route 100 Regional WWTP WQM renewal permit, effective through June 30, 2026. The only major revision to the previous permit is the requirement to sample now twice a month for CBOD5, Suspended Solids, Total Nitrogen and pH.

### **Route 100 WWTP – Phase III**

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction. ARRO responded to February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing. ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22. ARRO received a July 17, 2020 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional WWTP Phase III project. ARRO is in the process of reviewing the documents. On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings. 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.

The Authority Administrator submitted an August 2, 2021 letter to PADEP committing to use planning-based flow numbers in the draft Act 537 Plan and expand the Plan to address new land disposal capacity.

### **Saybrooke**

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

Nothing new to report.

**St. Andrews Brae**

Nothing new to report.

**Upland Farms**

ARRO is preparing plans and specifications for a low-pressure grinder pump and force main for the Barn Renovation project. ARRO estimated the purchase of 1 EDU would be required for the barn's intended uses. ARRO is attempting to obtain from PADEP a planning module exemption for the proposed barn sewer connection. 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".

The site contractor has completed the installation of the barn and farm house site sanitary sewer piping. The grinder pump and its force main are installed. The contractor is waiting on the barn's new electrical system to be completed and energized in order to conduct the grinder pump start-up testing.

**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, 2019 ARRO submitted to PADEP a study and \$522,000 cost opinion for potentially providing sewer service to an additional sixteen (16) lots east of the proposed Byers Road Sanitary Sewer Extension terminal manhole. PADEP responded that they will review the study information. ARRO has started preparing a sanitary sewer grant application under the Pennsylvania Department of Community & Economic Development (DCED) H2O PA grant program for the Byers Road Sanitary Sewer Extension project. By letter dated November 7, 2019 PADEP issued Byers Road Sanitary Sewer Extension SFPM approval. ARRO is continuing to prepare and will submit a sanitary sewer grant application under the DCED H2O PA grant program for the Byers Road Sanitary Sewer Extension project. The Byers Road grant application was submitted on December 12, 2019. Action on the application is not expected until May or June 2020. ARRO received a June 12, 2020 email from DCED that the grant application will not be reviewed until September 2020; however, they wanted a timeline for the project after September, which ARRO prepared and submitted. ARRO prepared a PennDOT HOP permit extension for the project. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. DCED awarded a \$463,000 grant for the Byers Road Sanitary Sewer Extension project. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is in communication with DCED regarding proceeding to the bid phase of the project. The DCED grant agreement has been signed. ARRO contacted DCED and they have no issues with bidding the Route 100 sewer crossing as an alternate. Project bid advertising is tentatively set for December 2020 with a January 2021 bid opening. 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.

On August 10, 2021, Highway Materials indicated to ARRO that it is having issues obtaining SDR-35 PVC pipe for the project, which is currently in limited supply and its cost has risen substantially. Highway Materials asked if the Authority would accept a not-to-exceed \$7500 change order as half of the increased pipe costs. If the change order is acceptable, they could obtain pipe and start construction in early September 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.

ARRO attended a July 29, 2021 meeting with Eagle Retail Associates and the prospective owner of Eaglepointe to discuss the proposed Simpson Drive sanitary sewer easement. Subsequently, on August 2, 2021, Eagle Retail Associates submitted revisions to the Deed of Dedication for Sanitary Sewer Easement prepared by the Authority counsel. The requested revisions are being reviewed and comments prepared.

**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.

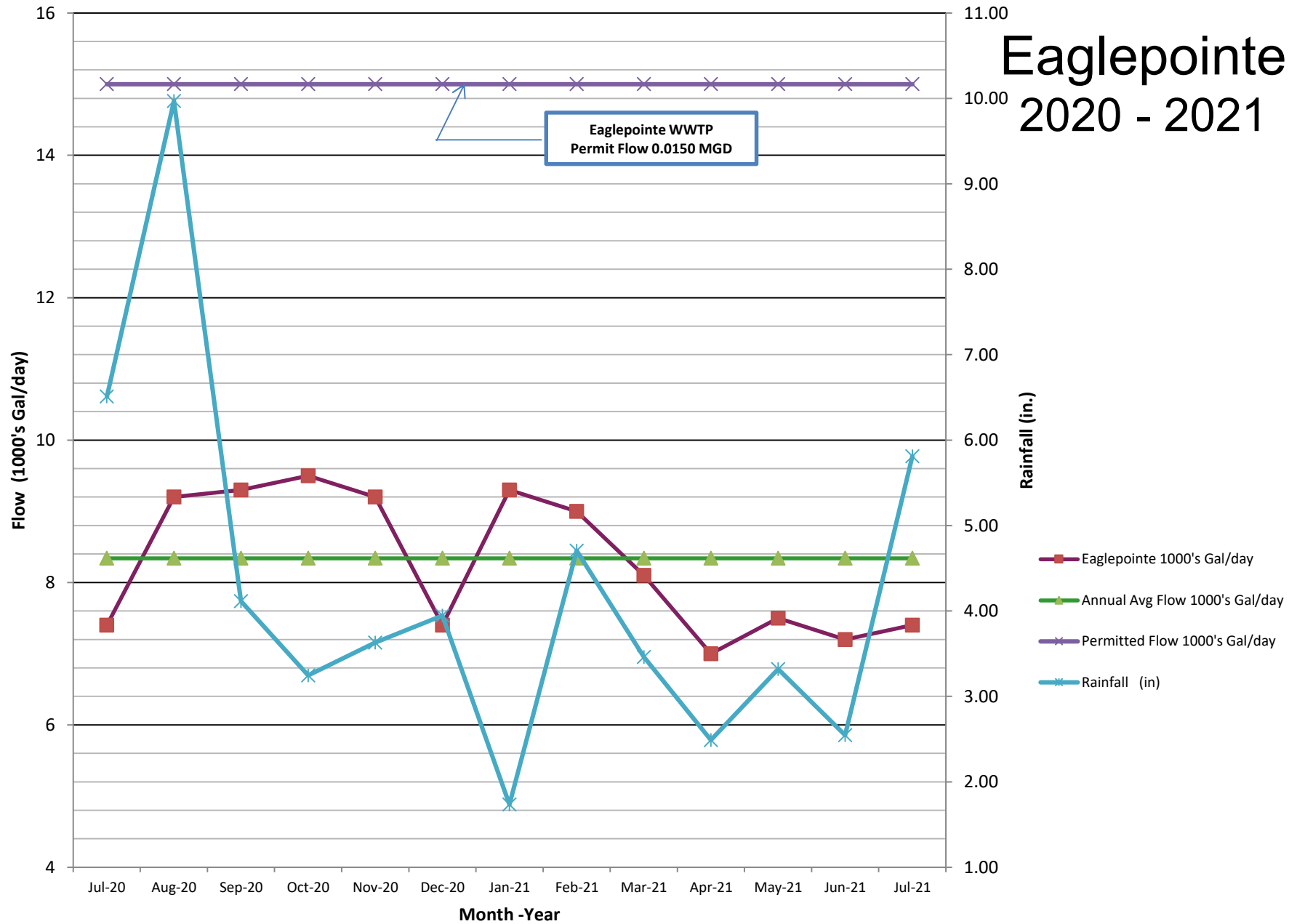
Nothing new to report.

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

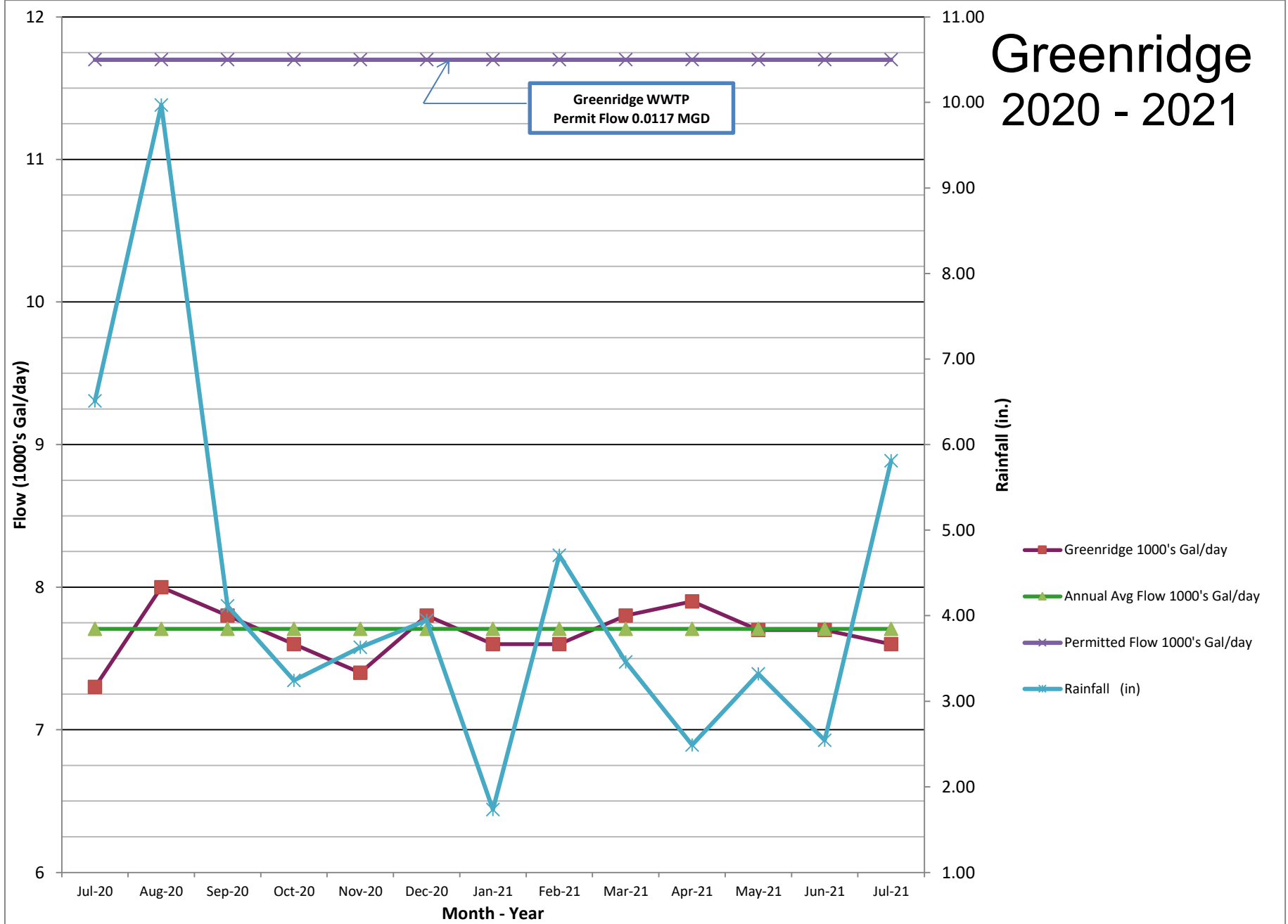
**UPPER UWCHLAN MUNICIPAL AUTHORITY**  
**WASTEWATER TREATMENT PLANTS**  
**MONTHLY AVERAGE DAILY FLOWS**

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Jul-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
Jul-21		0.00740	0.00760	0.02290	0.03580	0.36390	0.00720	0.00110	5.81
<b>Annual Avg Flow =</b>		<b>0.00834</b>	<b>0.00771</b>	<b>0.02609</b>	<b>0.04080</b>	<b>0.38375</b>	<b>0.00772</b>	<b>0.00213</b>	
<b>Permitted Flow =</b>		<b>0.01500</b>	<b>0.01170</b>	<b>0.04000</b>	<b>0.07600</b>	<b>0.60000</b>	<b>0.00920</b>	<b>0.00360</b>	

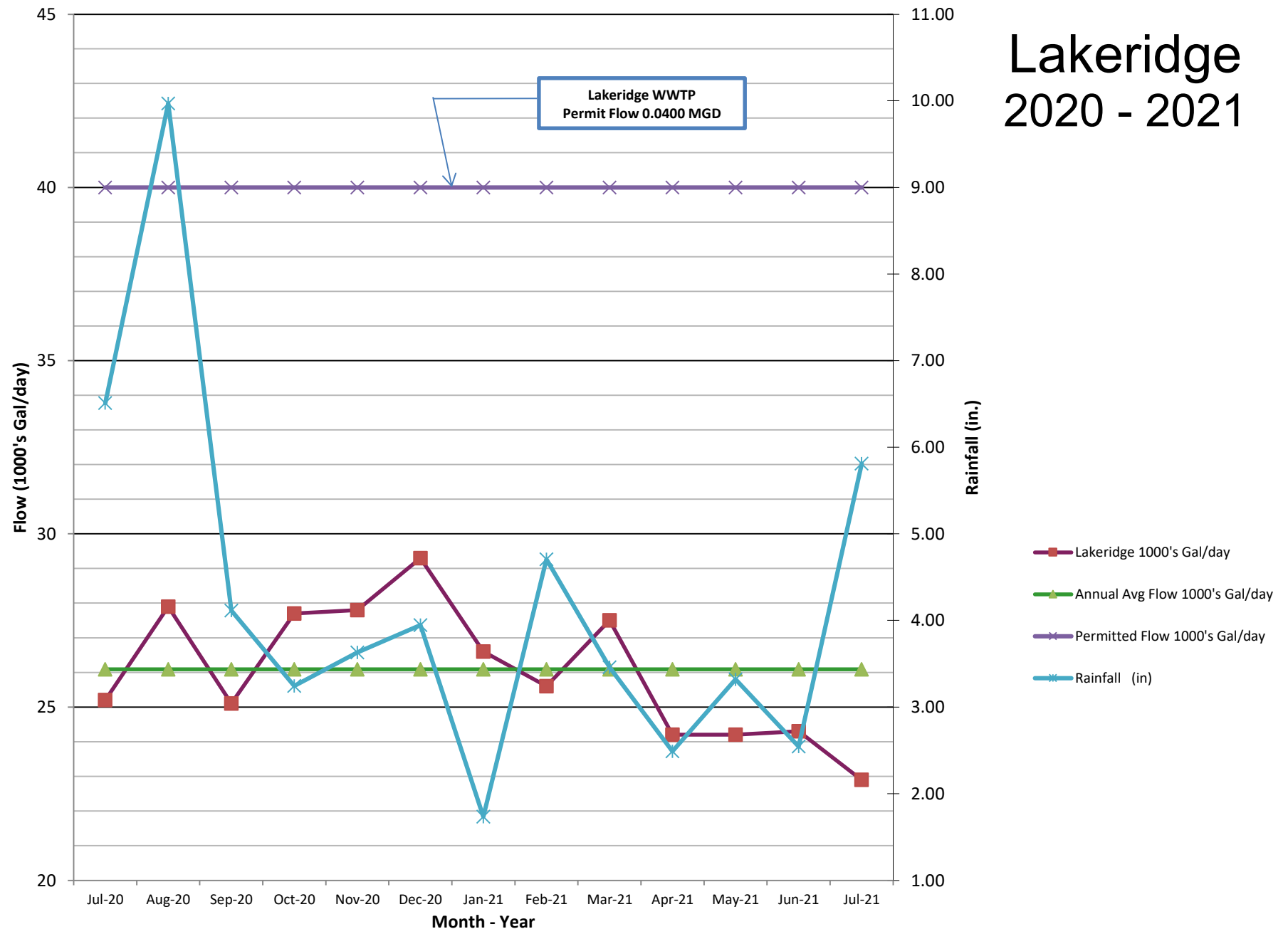
# Eaglepointe 2020 - 2021



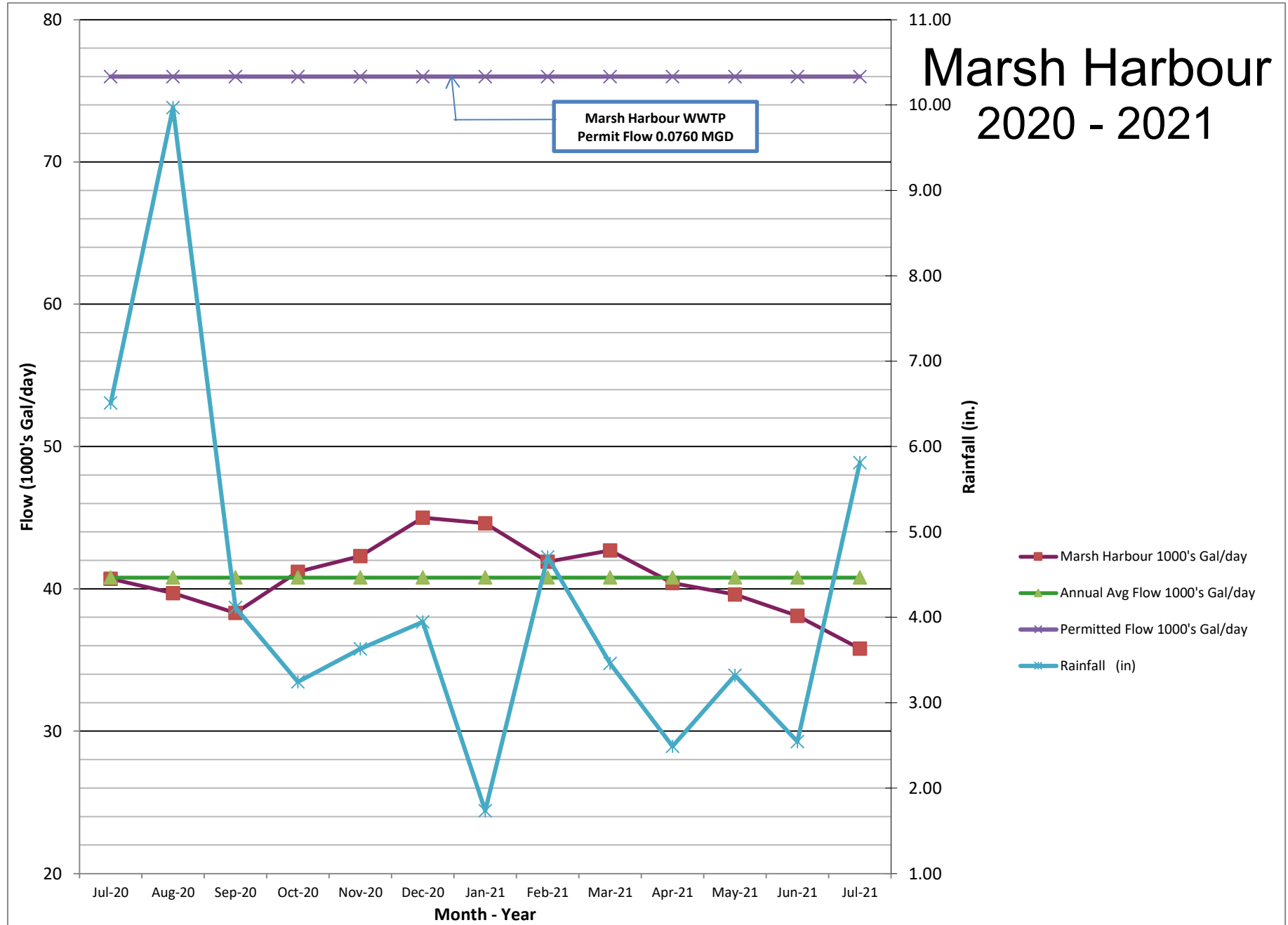
# Greenridge 2020 - 2021



# Lakeridge 2020 - 2021

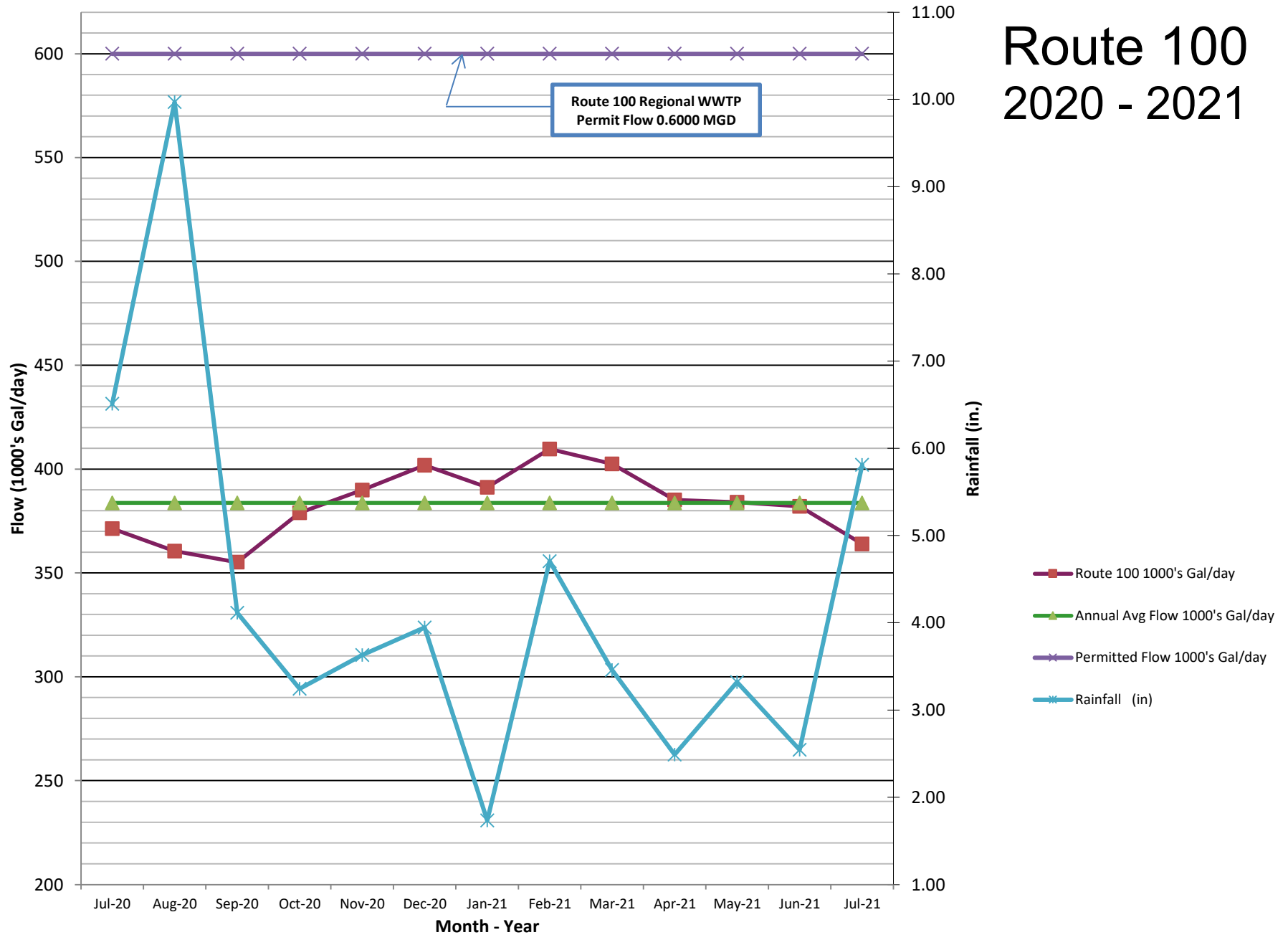


# Marsh Harbour 2020 - 2021

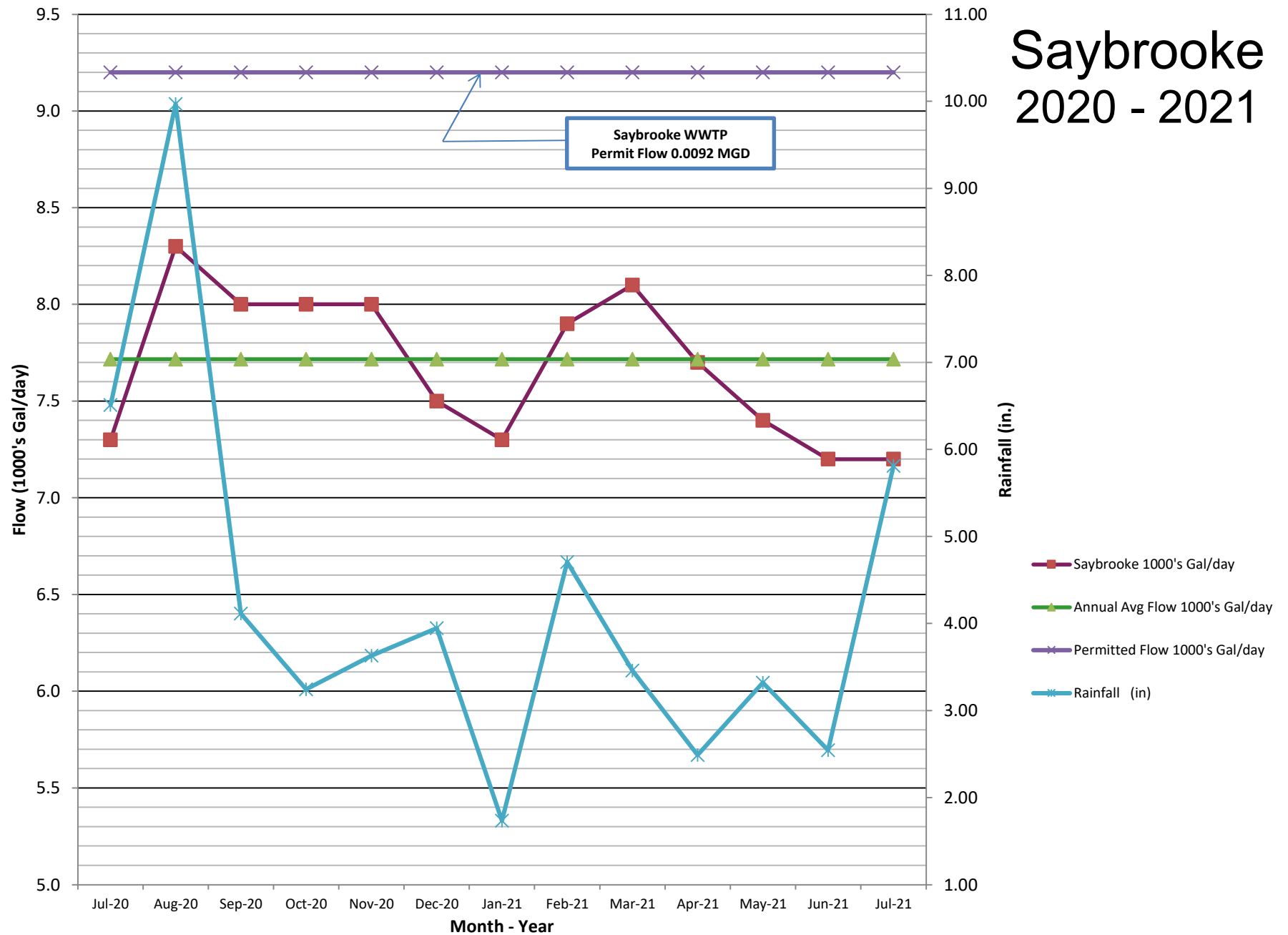




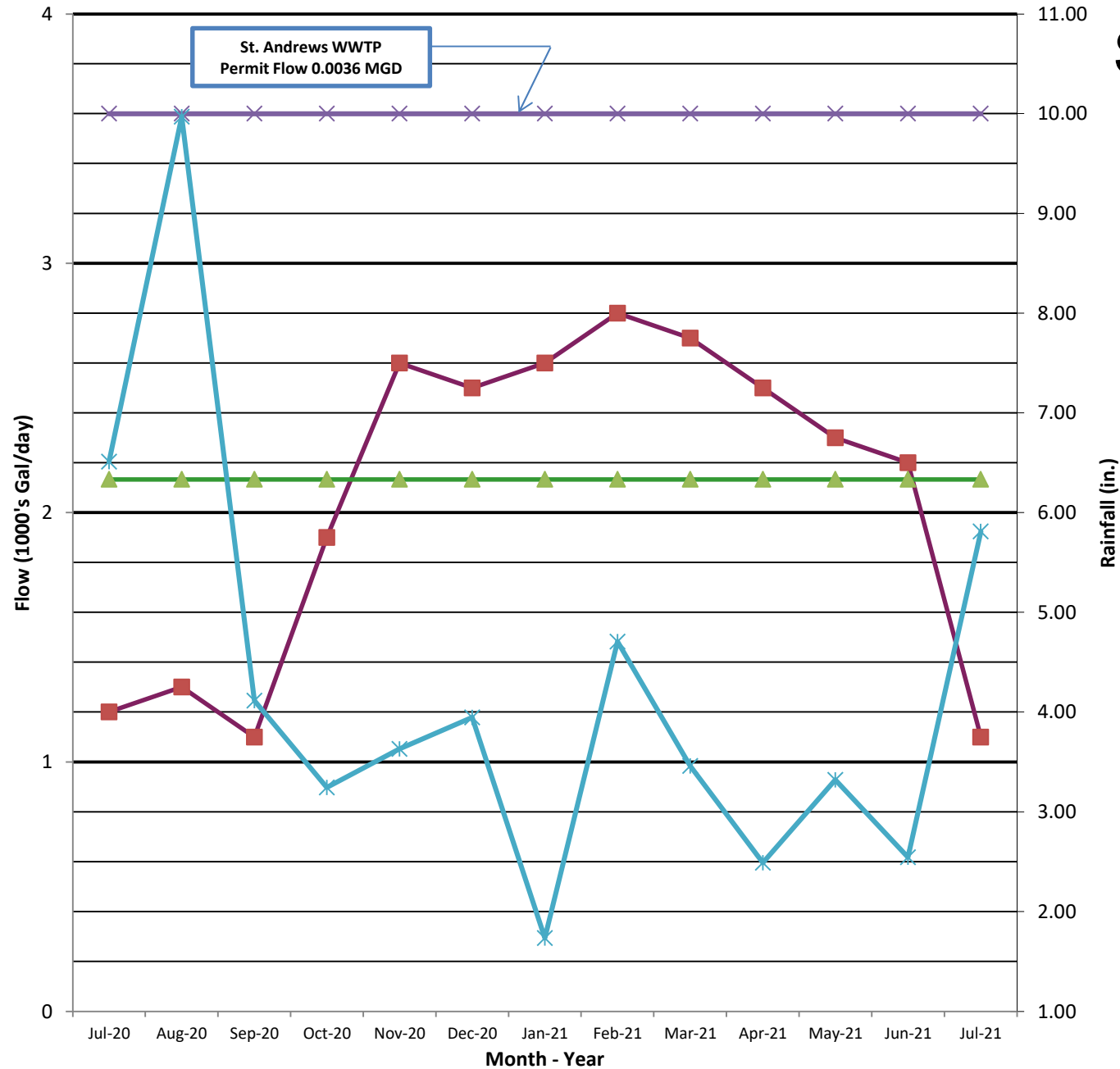
# Route 100 2020 - 2021



# Saybrooke 2020 - 2021



# St. Andrews 2020 - 2021





To: Municipal Authority Members

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

Re: Authority Administrator's Report

Date: August 19, 2021

Activities for the month include:

- A. Communication with WWTF Operator, ARRO and Township Staff regarding operational and maintenance issues. (54.0 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 and ARRO relative to concern over sewage odors adjacent to the former COLDS disposal field. (1.0 hours)
- D. Communication regarding septic system issues and/or possible connection to the sanitary sewer system. Inquiries included residents on Krauser Road, Font Road, Meadow Creek Drive and Waterview Road. (3.0 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. (8.0 hours)
- G. Communication with ARRO and Operator regarding upgrades to Route 100 SCADA system as part of the Phase III expansion of the WWTF. (4.0 hours)
- H. Communication with Adam Loew, Authority Solicitor and ARRO regarding the easement in the Eaglepointe Shopping Center (4.0 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.
- Asked Mardinly Industrial Power to look at the generators to give a competitive price on an annual service contract.
- Ivystone Road sewer main in the street was sinking for many years. We have been checking it and in the past 3 years it has not sunken. After ARRO televised the lines and assured nothing was leaking into the system, we milled out the trench area, removed and recompactd the stone about 1 foot deep and installed BCBC asphalt along with a 19mm resurface top layer.
- 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
- **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**
  - **Finished 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**
  - **Property cleanup**
- **Yarmouth PS1**
  - **Site checked**
- **Yarmouth PS2**
  - **Site checks**
- **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**
  - **Currently having water connection to the plant and connecting Upland Farms property sewer**
- **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 **105** PA 1-Call tickets during the month.**
- **Bee nests were eliminated as they were found**

**Respectfully submitted,**

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