



## AGENDA

October 25, 2022

7:30 p.m.

**LOCATION:** This meeting will be held **virtually** only. Any member of the public interested in attending virtually 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.

I.	Call to Order	Packet Page #
II.	Approval of Minutes: September 27, 2022	2
III.	Approval of Payments: October 2022	4
IV.	Treasurer's Report	12
V.	Authority Administration Reports	
	A. Clean Water, Inc. Monthly Report	20
	B. ARRO Consulting Monthly Report	22
	C. Authority Administrator's Report	48
	D. Public Works Department Report	50
VI.	Open Session	
VII.	Next Meeting Date: November 22, 2022 ~ 7:30 p.m.	
VIII.	Adjournment	



MEETING MINUTES  
September 27, 2022  
7:30 PM  
**DRAFT**

In attendance (via video conference): L. Schack, Chairman, W. Quinn, Vice-Chairman, H. Harper, Member, B. Watts, Member, D. Carlson, Member, G. Matthew Brown, P.E., DEE, Authority Administrator and Karl Schmidt, P.E. and David Schlott, Jr., P.E., ARRO Consulting, Inc.

**Call to Order**

L. Schack called the meeting to order at 7:30 PM.

**Approval of Minutes**

Draft minutes of the July 26, 2022, meeting were presented. H. Harper moved to approve the minutes as submitted. D. Carlson seconded. It was so moved.

**Approval of Payments**

Following a brief discussion and questions, W. Quinn moved to approve the payments for August 2022. He noted the bills were paid the previous month in accordance with the Authority adopted protocol. B. Watts seconded. It was so moved.

Following a brief discussion and questions, D. Carlson moved to approve the payments for September 2022. H. Harper seconded. It was so moved.

**Treasurer's Report**

Following a brief discussion and questions D. Carlson made a motion to accept the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. W. Quinn 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 the developer looking to partner with the Authority for land procurement in West Vincent Township (WVT) was responding to WVT comments and concerns but was still indicating they wanted to move ahead on the project. M. Brown noted he would continue to monitor the progress of the project.

M. Brown noted a memo that was included in the packet with an analysis of reducing the Single-Family Home (SFH) EDU value from 225 gpd/EDU to 200 gpd/EDU. He stated the change could generate approximately 41,000 gpd of additional disposal space that could be used until the Authority develops additional disposal space. M. Brown went through the calculations in the memo and the information which showed the actual usage per EDU for the Authority was less than 150 gpd/EDU. This differential warranted the reduction. B. Watts suggested taking it to 175 gpd/EDU when the information was submitted to PADEP since the data illustrated it could be accommodated. Following several questions about the change, technically and administratively, L. Schack wanted to know if there was any monetary impact to residents. M. Brown reviewed the way the Authority connection fee was applied and shared if any change, it would be to the homeowner benefit. L. Schack said he was not prepared to move forward with any change and asked that M. Brown provide a written analysis of any change. W. Quinn asked several questions about the change in the connection fee and agreed that the additional information would be helpful. M. Brown said he would develop a memo for next month. Following several additional questions and a brief discussion on the reports, W. Quinn made a motion to accept the Authority Administrators Reports as submitted. H. Harper seconded. It was so moved.

### **Open Session**

While a member of the public was present, no public comments were offered.

### **Next Meeting Date: October 25, 2022 - 7:30 PM**

L. Schack noted the date and time of the next meeting of the Authority. M. Brown noted that the meeting would be virtual.

### **Adjournment**

There being no further business to be brought before the Authority, H. Harper made a motion to adjourn the meeting at 8:24 PM. W. Quinn seconded. It was so moved.

Respectfully submitted,

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

October 20, 2022  
11:42 AM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2961 to 2982  
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
10/25/22		AERZEN AERZEN USA CORP	236.35		2711
10/25/22		ALSGROUP ALS GROUP USA, CORP	963.20		2711
10/25/22		AQUAP010 AQUA PA	679.23		2711
10/25/22		AQUAPA AQUA PA	75.00		2711
10/25/22		ARROC010 ARRO CONSULTING, INC.	6,199.85		2711
10/25/22		ATTMOBIL AT & T MOBILITY	203.77		2711
10/25/22		BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	2,672.00		2711
10/25/22		CLEANWAT CLEAN WATER, INC.	11,550.00		2711
10/25/22		COUNT010 COUNTRY ESTATE FENCE, INC.	43.80		2711
10/25/22		DELTRUST DELAWARE VALLEY PROP&LIA TRST	4,710.25		2711
10/25/22		INKS0010 INK'S DISPOSAL SERVICE, INC.	7,125.00		2711
10/25/22		KAPPEASS KAPPE ASSOCIATES, INC	3,005.50		2711
10/25/22		MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	6,498.86		2711
10/25/22		MGKIN010 MGK INDUSTRIES, INC.	828.00		2711
10/25/22		MJREIDER M. J. REIDER ASSOCIATES, INC.	1,221.25		2711
10/25/22		PECO0010 PECO	16,574.83		2711
10/25/22		PENNS080 PENNSYLVANIA ONE CALL	130.05		2711
10/25/22		PRED0010 PREDOC	3,032.50		2711
10/25/22		STARPRIN STAR PRINTING, INC	831.68		2711
10/25/22		SWAPNA01 RAPOLE SWAPNA	415.00		2711
10/25/22		UNIVA010 UNIVAR USA INC	2,173.45		2711
10/25/22		VERIZFIO VERIZON	1,221.37		2711

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	22	0	70,390.94	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	22	0	70,390.94	0.00

October 20, 2022  
11:43 AM

Upper Uwchlan Township  
Check Register By Check Date

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Dates: 10/25/22 to 10/25/22  
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					Seq Acct
MA MERIDIAN		MA Main Meridian					
2961	10/25/22	AERZEN AERZEN USA CORP					2711
22-01331	1	ma - flexible flap	236.35	06-420-000-025 Maintenance & Repair	Expenditure		3 1
2962	10/25/22	ALSGROUP ALS GROUP USA, CORP					2711
22-01332	1	green ridge monitoring wells	492.10	06-420-000-030 Testing	Expenditure		4 1
22-01332	2	lake ridge monitoring wells	471.10	06-420-000-030 Testing	Expenditure		5 1
			<u>963.20</u>				
2963	10/25/22	AQUAP010 AQUA PA					2711
22-01350	1	528 walter court	20.51	06-409-000-037 Water	Expenditure		80 1
22-01350	2	381 little conestoga	20.51	06-409-000-037 Water	Expenditure		81 1
22-01350	3	111 dorothy lane	20.51	06-409-000-037 Water	Expenditure		82 1
22-01350	4	119 prescott dr	20.51	06-409-000-037 Water	Expenditure		83 1
22-01350	5	439 prescott dr	20.51	06-409-000-037 Water	Expenditure		84 1
22-01350	6	100 prescott dr	20.51	06-409-000-037 Water	Expenditure		85 1
22-01350	7	meadow creek lane	20.51	06-409-000-037 Water	Expenditure		86 1
22-01350	8	308 flagstone rd	26.12	06-409-000-037 Water	Expenditure		87 1
22-01350	9	1 prospect hill	59.80	06-409-000-037 Water	Expenditure		88 1
22-01350	10	325 fellowship rd	248.10	06-409-000-037 Water	Expenditure		89 1
22-01350	11	658 collingwood ter	59.80	06-409-000-037 Water	Expenditure		90 1
22-01350	12	241 fellowship	20.51	06-409-000-037 Water	Expenditure		91 1
22-01350	13	29 yarmouth	20.51	06-409-000-037 Water	Expenditure		92 1
22-01350	14	425 hemlock ln	59.80	06-409-000-037 Water	Expenditure		93 1
22-01350	15	2680 primrose	20.51	06-409-000-037 Water	Expenditure		94 1
22-01350	16	1120 sunderland ave	20.51	06-409-000-037 Water	Expenditure		95 1
			<u>679.23</u>				
2964	10/25/22	AQUAPA AQUA PA					2711
22-01329	1	ma - 37 reads 7/1/22-9/30/22	75.00	06-406-000-100 Utility Billing Costs	Expenditure		1 1

October 20, 2022  
11:43 AM

Upper Uwchlan Township  
Check Register By Check Date

Page No: 2

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num
PO #	Item	Description					Seq Acct
MA MERIDIAN		MA Main Meridian	Continued				
2965	10/25/22	ARROC010 ARRO CONSULTING, INC.					2711
22-01349	1	project 9310.32	745.50	06-400-000-002	Expenditure		73 1
				Authority Admin Expense - ARRO			
22-01349	2	project 17000.00	1,794.85	06-408-000-000	Expenditure		74 1
				Engineering Fees			
22-01349	3	project 10270.56 - Rt 100 Map	1,040.50	06-408-000-000	Expenditure		75 1
				Engineering Fees			
22-01349	4	project 10270.58-Rt 100 WWTP	145.00	06-408-000-000	Expenditure		76 1
				Engineering Fees			
22-01349	5	project 10270.73-Eaglepointe	1,252.50	06-408-000-000	Expenditure		77 1
				Engineering Fees			
22-01349	6	project 10270.82-Rt 100 Influe	614.50	06-408-000-000	Expenditure		78 1
				Engineering Fees			
22-01349	7	project 10270.83-Lakeridge	607.00	06-408-000-000	Expenditure		79 1
				Engineering Fees			
			<u>6,199.85</u>				
2966	10/25/22	ATTMOBIL AT & T MOBILITY					2711
22-01330	1	ma - telephones	203.77	06-409-000-032	Expenditure		2 1
				Telephone			
2967	10/25/22	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI					2711
22-01333	1	ma - september services	2,672.00	06-404-000-000	Expenditure		6 1
				Legal Fees			
2968	10/25/22	CLEANWAT CLEAN WATER, INC.					2711
22-01335	1	ma - monthly operations	11,550.00	06-420-000-045	Expenditure		8 1
				Contracted Services			
2969	10/25/22	COUNT010 COUNTRY ESTATE FENCE, INC.					2711
22-01334	1	upland - split rail	43.80	06-409-000-052	Expenditure		7 1
				Bldg Maint & Repair			
2970	10/25/22	DELTRUST DELAWARE VALLEY PROP&LIA TRST					2711
22-01336	1	ma - liability	1,222.75	06-400-000-352	Expenditure		9 1
				Insurance - Liability			
22-01336	2	ma - property	3,487.50	06-409-000-035	Expenditure		10 1
				Insurance			
			<u>4,710.25</u>				
2971	10/25/22	INKS0010 INK'S DISPOSAL SERVICE, INC.					2711
22-01337	1	ma - august services	3,600.00	06-420-000-025	Expenditure		11 1
				Maintenance & Repair			
22-01337	2	ma - september services	3,525.00	06-420-000-025	Expenditure		12 1
				Maintenance & Repair			
			<u>7,125.00</u>				
2972	10/25/22	KAPPEASS KAPPE ASSOCIATES, INC					2711
22-01338	1	primrose ct pump 1	3,005.50	06-420-000-025	Expenditure		13 1
				Maintenance & Repair			

October 20, 2022  
11:43 AM

Upper Uwchlan Township  
Check Register By Check Date

Page No: 3

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num
PO #	Item	Description					Ref Seq Acct
MA MERIDIAN	MA Main Meridian	Continued					
2973	10/25/22	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC					2711
22-01341	1	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure		27 1
22-01341	2	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure		28 1
22-01341	3	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure		29 1
22-01341	4	marsh harbour - larkins bridge	1,455.15	06-420-000-031 Pump & Haul	Expenditure		30 1
22-01341	5	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure		31 1
22-01341	6	Rt 100 Bulk Load	2,773.78	06-420-000-031 Pump & Haul	Expenditure		32 1
22-01341	7	eaglepointe	416.93	06-420-000-031 Pump & Haul	Expenditure		33 1
22-01341	8	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure		34 1
			<u>6,498.86</u>				
2974	10/25/22	MGKIN010 MGK INDUSTRIES, INC.					2711
22-01339	1	byers - bypass connection	828.00	06-409-000-052 Bldg Maint & Repair	Expenditure		14 1
2975	10/25/22	MJREIDER M. J. REIDER ASSOCIATES, INC.					2711
22-01340	1	saybrooke	82.50	06-420-000-030 Testing	Expenditure		15 1
22-01340	2	marsh harbour	136.25	06-420-000-030 Testing	Expenditure		16 1
22-01340	3	lake ridge	116.25	06-420-000-030 Testing	Expenditure		17 1
22-01340	4	saybrooke	33.75	06-420-000-030 Testing	Expenditure		18 1
22-01340	5	greenridge	116.25	06-420-000-030 Testing	Expenditure		19 1
22-01340	6	st andrews brae	166.25	06-420-000-030 Testing	Expenditure		20 1
22-01340	7	eaglepoint	166.25	06-420-000-030 Testing	Expenditure		21 1
22-01340	8	st andrews brae	125.00	06-420-000-030 Testing	Expenditure		22 1
22-01340	9	ewing west vincent lagoon	80.00	06-420-000-030 Testing	Expenditure		23 1
22-01340	10	rt 100 wwtp	11.25	06-420-000-030 Testing	Expenditure		24 1
22-01340	11	rt 100 wwtp	116.25	06-420-000-030 Testing	Expenditure		25 1
22-01340	12	saybrooke	71.25	06-420-000-030 Testing	Expenditure		26 1
			<u>1,221.25</u>				

October 20, 2022  
11:43 AM

Upper Uwchlan Township  
Check Register By Check Date

Page No: 4

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num
PO #	Item	Description					Ref Seq Acct
MA MERIDIAN		MA Main Meridian	Continued				
2976	10/25/22	PECO0010 PECO					2711
22-01347	1	304 fellowship rd	121.65	06-409-000-036	Expenditure		45 1
				Electric			
22-01347	2	250 eagle farms rd	623.01	06-409-000-036	Expenditure		46 1
				Electric			
22-01347	3	seabury lane lot 12	42.85	06-409-000-036	Expenditure		47 1
				Electric			
22-01347	4	primrose court	310.30	06-409-000-036	Expenditure		48 1
				Electric			
22-01347	5	314 prescott drive	375.75	06-409-000-036	Expenditure		49 1
				Electric			
22-01347	6	meadow creek lane	35.49	06-409-000-036	Expenditure		50 1
				Electric			
22-01347	7	301 pottstown pike	411.50	06-409-000-036	Expenditure		51 1
				Electric			
22-01347	8	kristines way	115.26	06-409-000-036	Expenditure		52 1
				Electric			
22-01347	9	711 dorlan rd	291.27	06-409-000-036	Expenditure		53 1
				Electric			
22-01347	10	111 dorothy lane	88.49	06-409-000-036	Expenditure		54 1
				Electric			
22-01347	11	dorlan drive	991.35	06-409-000-036	Expenditure		55 1
				Electric			
22-01347	12	381 little conestoga	220.30	06-409-000-036	Expenditure		56 1
				Electric			
22-01347	13	milford wwtp	35.24	06-409-000-036	Expenditure		57 1
				Electric			
22-01347	14	st andrews rd	41.44	06-409-000-036	Expenditure		58 1
				Electric			
22-01347	15	park rd	1,260.07	06-409-000-036	Expenditure		59 1
				Electric			
22-01347	16	55 pottstown pike	497.91	06-409-000-036	Expenditure		60 1
				Electric			
22-01347	17	yarmouth lane	231.83	06-409-000-036	Expenditure		61 1
				Electric			
22-01347	18	sunderland ave	1,844.36	06-409-000-036	Expenditure		62 1
				Electric			
22-01347	19	kiloran wynd drive	164.37	06-409-000-036	Expenditure		63 1
				Electric			
22-01347	20	flagstone road	719.13	06-409-000-036	Expenditure		64 1
				Electric			
22-01347	21	yarmouth lane-pump 1	40.36	06-409-000-036	Expenditure		65 1
				Electric			
22-01347	22	140 pottstown pike	272.49	06-409-000-036	Expenditure		66 1
				Electric			
22-01347	23	275 fellowship rd	6,898.86	06-409-000-036	Expenditure		67 1
				Electric			
22-01347	24	heron hill-lot 11	73.51	06-409-000-036	Expenditure		68 1
				Electric			
22-01347	25	indian springs dr	71.70	06-409-000-036	Expenditure		69 1
				Electric			



October 20, 2022  
11:43 AM

Upper Uwchlan Township  
Check Register By Check Date

Page No: 5

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void Contract	Ref Num	
PO #	Item	Description					Ref Seq	Acct
MA MERIDIAN		MA Main Meridian		Continued				
2976 PECO				Continued				
22-01347	26	yarmouth lane-pump 2	52.53	06-409-000-036	Expenditure		70	1
				Electric				
22-01347	27	hemlock lane	108.83	06-409-000-036	Expenditure		71	1
				Electric				
22-01347	28	fellowship rd	634.98	06-409-000-036	Expenditure		72	1
				Electric				
			<u>16,574.83</u>					
2977 10/25/22		PENNS080 PENNSYLVANIA ONE CALL					2711	
22-01342	1	ma - monthly services	130.05	06-420-000-329	Expenditure		35	1
				PA One Call				
2978 10/25/22		PRED0010 PREDOC					2711	
22-01343	1	658 collingwood	95.00	06-420-000-025	Expenditure		36	1
				Maintenance & Repair				
22-01343	2	29 yarmouth lane	95.00	06-420-000-025	Expenditure		37	1
				Maintenance & Repair				
22-01343	3	325 fellowship	95.00	06-420-000-025	Expenditure		38	1
				Maintenance & Repair				
22-01343	4	528 water court	95.00	06-420-000-025	Expenditure		39	1
				Maintenance & Repair				
22-01343	5	rt 100 wwtp	2,082.50	06-420-000-025	Expenditure		40	1
				Maintenance & Repair				
22-01343	6	darrell drive-pump #2	570.00	06-420-000-025	Expenditure		41	1
				Maintenance & Repair				
			<u>3,032.50</u>					
2979 10/25/22		STARPRIN STAR PRINTING, INC					2711	
22-01352	1	qt4 swr inv prep-fold/insert	332.70	06-406-000-100	Expenditure		97	1
				Utility Billing Costs				
22-01352	2	qt4 swr invoice print	498.98	06-406-000-100	Expenditure		98	1
				Utility Billing Costs				
			<u>831.68</u>					
2980 10/25/22		SWAPNA01 RAPOLE SWAPNA					2711	
22-01351	1	Refund of sewer overpayment	415.00	06-420-000-048	Expenditure		96	1
				Misc expenses				
2981 10/25/22		UNIVA010 UNIVAR USA INC					2711	
22-01345	1	caustic soda,diaphragm liq	2,173.45	06-420-000-022	Expenditure		44	1
				Chemicals				
2982 10/25/22		VERIZFIO VERIZON					2711	
22-01344	1	ma - september telephones	1,078.97	06-409-000-032	Expenditure		42	1
				Telephone				
22-01344	2	ma - internet	142.40	06-409-000-032	Expenditure		43	1
				Telephone				
			<u>1,221.37</u>					

October 20, 2022  
11:32 AM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA CAP to MA CAP Range of Check Ids: 16 to 16  
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
	10/25/22	ARROC010 ARRO CONSULTING, INC.	11,957.00		2710
Report Totals					
		<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
	Checks:	1	0	11,957.00	0.00
	Direct Deposit:	0	0	0.00	0.00
	Total:	1	0	11,957.00	0.00

October 20, 2022  
11:30 AM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 10/25/22 Checking Account: MA CAP G/L Credit: Expenditure G/L Credit  
Generate Direct Deposit: N

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description		Description					
	10/25/22	ARROC010 ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
22-01348	10/25/22	1 byers rd sewer design	1,099.50	07-483-000-130	Expenditure	Aprv	1	1	
				Capital Construction - Byers Road					
22-01348	10/25/22	2 meadow creek sewer extension	10,573.50	07-483-000-110	Expenditure	Aprv	2	1	
				Capital Construction - Meadow Creek					
22-01348	10/25/22	3 milford sewer extension	284.00	07-483-000-100	Expenditure	Aprv	3	1	
				Capital Construction - Milford Farms					
			11,957.00						

	<u>Count</u>	<u>Line Items</u>	<u>Amount</u>
checks:	1	3	11,957.00

There are NO errors or warnings in this listing.

Upper Uwchlan Township Municipal Authority  
Balance Sheet  
As of September 30, 2022

**ASSETS**

Cash

06-100-000-010	General Checking - Fulton Bank	\$	137,577.43
06-100-000-015	General Checking - Meridian Bank		488,203.40
06-100-000-020	General Checking - WIPP		396,652.06
06-106-000-002	Connection Fee Account		723,022.87
06-110-000-100	Fulton Bank Bond Proceeds - ICS		-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA		-
	<b>Total Cash</b>		<b>1,745,455.76</b>

PSDLAF Investments:

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>

Accounts Receivable

06-145-000-001	Usage Fees Receivable		290,049.70
06-145-000-002	Capital Assessment Receivable		
06-147-000-000	Misc Accounts Receivable		546.00
	<b>Total Accounts Receivable</b>		<b>290,595.70</b>

Other Current Assets

06-130-000-001	Due from MA Capital Fund		21,379.48
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		-
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>21,379.48</b>

Fixed Assets

06-162-000-001	Fixed Assets		-
06-162-000-050	Accumulated Depreciation		-
06-163-000-100	Phase II Construction Project (CIP)		-
	<b>Total Fixed Assets</b>		<b>-</b>

Other Long Term Assets

06-162-000-002	Excess Treatment Capacity		-
	<b>Total Other Long Term Assets</b>		<b>-</b>

<b>Total Assets</b>	<b>\$</b>	<b>2,057,619.15</b>
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Upper Uwchlan Township Municipal Authority  
Balance Sheet  
As of September 30, 2022

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	116,825.83
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	44,119.14
06-230-000-040	Due to Water Resource Protection Fund	-
06-230-000-050	Due to Sewer Fund	-
06-230-000-060	Due to Developer's Escrow Fund	-
06-230-000-070	Due to UUT Sewer Fund - 2019 Bonds	-
06-240-000-000	Accrued Expenses	23,000.00
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>184,219.97</b>

<u>Equity</u>		
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	671,487.09
	Current Period Net Income (Loss)	448,411.74
	<b>Total Equity</b>	<b>1,873,399.18</b>

Total Fund Balance 1,873,399.18

**Total Liabilities & Fund Balance \$ 2,057,619.15**

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

**For the Period Ended September 30, 2022**

	Actual 2022 YTD	Budget 2022	% of Budget	Actual 2021 (unaudited)	Budget 2021
<b>REVENUES</b>					
06-340-000-000 Interest Income	\$ 1,357.70	\$ 1,000.00	135.8%	\$ 4,580.74	\$ 43,500.00
06-365-000-000 Usage Fees Residential	1,871,081.94	2,375,580.00	78.8%	2,368,526.15	2,250,000.00
06-365-000-001 Usage Fees Commercial	65,920.80	100,000.00	65.9%	96,223.04	100,000.00
06-365-000-010 Connection Fees	20,000.00	1,347,500.00	1.5%	301,828.22	4,677,750.00
06-365-000-015 Sewer - resident refunds	-	-	#DIV/0!	-	-
06-365-000-020 Connection Fees - Byers Road	8,418.36	-	#DIV/0!	-	-
06-354-000-020 Grant revenue - State	2,324.00	525,000.00	0.4%	11,630.00	465,000.00
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
<b>TOTAL REVENUES</b>	<b>\$ 1,969,102.80</b>	<b>\$ 4,350,080.00</b>	<b>45.3%</b>	<b>\$ 2,782,788.15</b>	<b>\$ 7,537,250.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration - UUT	254,321.71	275,000.00	92.5%	273,411.49	264,736.00
06-400-000-002 Authority Administrative Expense - ARRO	61,731.96	120,000.00	51.4%	122,801.85	120,000.00
06-400-000-004 Authority Administrator - MB	30,397.12	-	#DIV/0!	-	-
06-400-000-003 Professional Fees	-	5,000.00	0.0%	-	5,000.00
06-400-000-200 Admin Supplies	253.00	1,000.00	25.3%	520.00	1,000.00
06-400-000-341 Advertising	154.78	3,000.00	5.2%	154.78	3,000.00
06-400-000-352 Insurance - Liability	3,668.25	4,891.00	75.0%	5,157.80	5,370.00
06-400-000-355 Bank Fees	143.00	250.00	57.2%	127.00	650.00
06-402-000-450 Audit Fees	6,400.00	7,500.00	85.3%	6,050.00	7,500.00
06-404-000-000 Legal Fees	13,020.53	25,000.00	52.1%	14,487.19	25,000.00
06-406-000-100 Utility Billing Costs	3,663.82	13,000.00	28.2%	7,523.36	13,000.00
06-406-000-200 Utility Billing Postage	3,617.20	-	#DIV/0!	-	-
06-408-000-000 Engineering Fees	80,201.00	150,000.00	53.5%	359,406.40	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	457,572.37	604,641.00	75.7%	789,639.87	595,256.00
<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	12,258.81	17,500.00	70.1%	16,286.97	15,000.00
06-409-000-035 Insurance	10,462.50	13,950.00	75.0%	10,892.20	15,000.00
06-409-000-036 Electric	171,578.49	250,000.00	68.6%	225,868.29	250,000.00
06-409-000-037 Water	11,661.56	20,000.00	58.3%	31,938.83	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!	-	-
	205,961.36	331,450.00	62.1%	284,986.29	330,000.00
<u>Operations:</u>					
06-420-000-020 Supplies	2,533.61	50,000.00	5.1%	20,869.89	50,000.00
06-420-000-022 Chemicals	6,403.18	15,000.00	42.7%	13,195.59	15,000.00
06-420-000-023 Propane and Fuel Oil	1,711.60	10,000.00	17.1%	-	5,000.00
06-420-000-025 Maintenance & Repair	105,853.28	150,000.00	70.6%	170,967.64	120,000.00
06-420-000-030 Testing	27,281.25	50,000.00	54.6%	37,959.86	35,000.00
06-420-000-031 Pump & Haul	83,960.73	75,000.00	111.9%	103,583.94	60,000.00
06-420-000-032 Vegetation Management	14,077.59	20,000.00	70.4%	9,648.86	20,000.00
06-420-000-035 Permits	15,721.23	5,000.00	314.4%	3,602.00	5,000.00
06-420-000-042 Dues and Memberships	-	-	#DIV/0!	-	-
06-420-000-045 Contracted Services	134,971.06	175,000.00	77.1%	134,070.00	150,000.00
06-420-000-048 Misc expenses	366.50	10,000.00	3.7%	4,514.57	10,000.00
06-420-000-235 Vehicle Maintenance	-	2,000.00	0.0%	372.87	2,000.00
06-420-000-329 PA One Call	281.08	2,500.00	11.2%	1,602.79	2,500.00
	393,161.11	564,500.00	69.6%	500,388.01	474,500.00

Upper Uwchlan Township Municipal Authority  
Statement of Revenues and Expenditures

For the Period Ended September 30, 2022  
(Continued)

	Actual 2021 YTD	Budget 2021	% of Budget	Actual 2020 <i>(Unaudited)</i>	Budget 2020
<u>Capital:</u>					
06-483-000-000 Capital Repair	-	50,000.00	0.0%	42,624.45	100,000.00
06-483-000-100 Capital Construction	-	-	#DIV/0!	275,442.34	2,700,000.00
06-493-000-083 Depreciation	-	-	#DIV/0!	-	100,000.00
	-	50,000.00	0.0%	318,066.79	2,900,000.00
<b>Total Expenditures before Operations Agreement and Transfers</b>	<b>\$ 1,056,694.84</b>	<b>\$ 1,550,591.00</b>	<b>68.1%</b>	<b>\$ 1,893,080.96</b>	<b>\$ 4,299,756.00</b>
<b>Net Income before Operations Agreement and Transfers</b>	<b>\$ 912,407.96</b>	<b>\$ 2,799,489.00</b>	<b>32.6%</b>	<b>889,707.19</b>	<b>3,237,494.00</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	102,996.49	235,994.00	43.6%	236,741.36	236,744.00
06-471-000-030 Operations Agreement Fee to UUT-2019A Bonds	60,999.73	337,000.00	18.1%	336,198.37	336,200.00
	163,996.22	572,994.00	28.6%	572,939.73	572,944.00
 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	300,000.00	-	#DIV/0!	-	-
	300,000.00	-	#DIV/0!	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,520,691.06</b>	<b>\$ 2,123,585.00</b>	<b>71.6%</b>	<b>\$ 2,466,020.69</b>	<b>\$ 4,872,700.00</b>
 <b>OPERATING INCOME</b>	<b>\$ 448,411.74</b>	<b>\$ 2,226,495.00</b>	<b>20.1%</b>	<b>\$ 316,767.46</b>	<b>\$ 2,664,550.00</b>

Upper Uwchlan Township Municipal Authority  
Capital Fund  
Balance Sheet  
As of September 30, 2022

**ASSETS**

	<u>Cash</u>	
07-100-000-010	General Checking - Fulton Bank	\$ (5,160.44)
07-110-000-200	Fulton Bank - Bond Proceeds	5,071,598.74
	<b>Total Cash</b>	<b>5,066,438.30</b>
	<u>Other Current Assets</u>	
07-130-000-001	Due from MA Operating Fund	-
07-130-000-002	Due from UUT General Fund	-
07-155-000-000	Pre-Paid Expenses	-
	<b>Total Other Current Assets</b>	<b>-</b>
	<u>Fixed Assets</u>	
06-162-000-001	Fixed Assets	2,580,708.67
06-162-000-050	Accumulated Depreciation	(754,071.23)
06-163-000-100	Phase II Construction Project (CIP)	
	<b>Total Fixed Assets</b>	<b>1,826,637.44</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>\$ 8,542,368.98</b>

**LIABILITIES AND FUND BALANCE**

	<u>Current Liabilities</u>	
07-200-000-020	Accounts Payable	-
07-230-000-010	Due to MA Operating Fund	21,379.48
07-230-000-020	Due to UUT General Fund	7,900.00
07-232-000-700	Due to UUT Sewer Fund	5,205,556.07
07-240-000-000	Accrued Expenses	-
	<b>Total Current Liabilities</b>	<b>5,234,835.55</b>
	<u>Equity</u>	
07-272-000-001	Retained Earnings	-
	Current Period Net Income (Loss)	3,307,533.43
	<b>Total Equity</b>	<b>3,307,533.43</b>
	<b>Total Fund Balance</b>	<b>3,307,533.43</b>
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 8,542,368.98</b>



Upper Uwchlan Township Municipal Authority  
Capital Fund  
Statement of Revenues and Expenditures  
For the Period Ended September 30, 2022

		Actual 2022 YTD	Budget 2022	% of Budget	Actual 2021 <i>(unaudited)</i>	Budget 2021
<b>REVENUES</b>						
07-340-000-000	Interest Income	\$ 2,788.97	\$ 4,000.00	69.7%		
07-395-000-100	Transfer from MA Operating Fund	3,933,199.73		#DIV/0!		
				#DIV/0!		
	<b>TOTAL REVENUES</b>	<b>\$ 3,935,988.70</b>	<b>\$ 4,000.00</b>	<b>98399.7%</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EXPENDITURES</b>						
<u>General:</u>						
07-400-000-355	Bank Fees	725.58	400.00	181.4%		
07-420-000-010	Act 537 Updates	-	38,000.00	0.0%		
07-420-000-020	UCC Code Updates	-	30,000.00	0.0%		
07-420-000-048	Capital Equipment Shared with UUT	-	19,000.00	0.0%		
07-420-000-050	Misc. Capital Purchases	-	35,000.00	0.0%		
			-	#DIV/0!	-	-
		725.58	122,400.00	0.6%	-	-
<u>Capital Construction</u>						
07-483-000-000	Capital Repair	38,624.77	-	#DIV/0!		
07-483-000-100	Capital Construction - Milford Farms	12,989.50	700,000.00	1.9%		
07-483-000-110	Capital Construction - Meadow Creek	42,411.25	750,000.00	5.7%		
07-483-000-120	Capital Construction - Eaglepointe	-	-	#DIV/0!		
07-483-000-130	Capital Construction - Byers Road	533,704.17	785,000.00	68.0%		
07-483-000-140	Capital Construction - Route 100	-	52,460.00	0.0%		
07-483-000-150	Capital Construction - Marsh Harbour	-	12,300.00	0.0%		
07-483-000-160	Capital Construction - St. Andrew's Brae	-	10,000.00	0.0%		
07-483-000-170	Capital Construction - Greenridge	-	-	#DIV/0!		
07-483-000-180	Capital Construction - Lakeridge	-	-	#DIV/0!		
07-483-000-190	Capital Construction - Saybrooke	-	-	#DIV/0!		
07-493-000-083	Depreciation	-	130,000.00	0.0%		
		-	-	#DIV/0!		
		627,729.69	2,439,760.00	25.7%	-	-
	<b>TOTAL EXPENDITURES</b>	<b>\$ 628,455.27</b>	<b>\$ 2,562,160.00</b>	<b>24.5%</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>OPERATING INCOME</b>	<b>\$ 3,307,533.43</b>	<b>\$ (2,558,160.00)</b>	<b>-129.3%</b>	<b>\$ -</b>	<b>\$ -</b>

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

*Month to Month Change in Receivables and Collections*

	September 2022	August 2022	Change
Beginning Receivable Balance	280,607.76	280,607.76	-
<u>Billings:</u>			
Calculated charges billed	1,832,379.57	1,831,782.97	596.60
Billing adjustments			-
Late payment penalty	64,592.53	43,584.99	21,007.54
Adjustments	(15,946.17)	(14,350.87)	(1,595.30)
	<u>2,161,633.69</u>	<u>2,141,624.85</u>	<u>20,008.84</u>
<u>Less:</u>			
Collections*	1,935,420.38	1,858,075.84	(77,344.54)
Receivable balance, month end	<u>226,213.31</u>	<u>283,549.01</u>	<u>(57,335.70)</u>

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)

	9/30/2021	9/30/2022	8/31/2022	7/31/2022	6/30/2022	5/31/2022	4/30/2022	3/31/2022	12/31/2021
Number of delinquent accounts	139	138	185	103	123	76	91	121	141
Total delinquent balance	\$ 149,547	\$ 125,274	\$ 148,161	\$ 74,585	\$ 136,207	\$ 105,908	\$ 122,600	\$ 145,711	\$ 156,695

2022 Payment Schedule

	Bills Mailed	Payment Due
First quarter	1/31/2022	3/1/2022
Second quarter	4/30/2022	5/31/2022
Third quarter	7/31/2022	8/31/2022
Fourth quarter	10/31/2022	11/30/2022

October 17, 2022

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

RE: Report for the October meeting

Dear Authority,

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

**Route 100**

We had a break at the by-pass pipe at the Byers Station pump station. I am guessing the pipe was hit by something that caused the shift. This will need repaired, and MGK is looking into it. The pipe is 15 feet deep. This will be an enormous hole. DEP was notified of the spillage. It was stopped shortly after notification by using an isolation valve. The field at Byers will be cut shortly. The remote stations were all cleaned by McGovern. We had Kappe out to the Byers Station to investigate a faulty transducer. Lagoon levels are all at decent levels given this time of year.

**Eaglepointe**

We reported a CBOD violation in August. The max is 15mg/l. We had a result of 15.4. We did a second sample and the result was <2mg/l. Not sure what caused the initial hit. Will continue to monitor.

**Marsh Harbour**

Plant is running fine. McGovern cleaned the influent pump station. The field was harvested.

**Lakeridge**

Plant is running well. The big lot next to the plant had the grass cut. It will be harvested soon.

**Saybrooke**

Plant is running fine. No operational issues were noted.

**Greenridge**

Drip has resumed. The lagoon is at a good level for this time of year.

**St. Andrews**

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

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

Respectfully,

Brian Norris



321 N. Furnace Street  
Suite 200  
Birdsboro, PA 19508  
T 610.374.5285

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## MEMORANDUM

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TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: October 20, 2022

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

### Byers Station

**Village at Byers Station (5C), Lot #2, Residential (2A):** 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. Installation of the gravity house service line to each new townhome started in May 2021. Through November 4, 2021 fourteen house service lines have been installed and tested.

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

**Village at Byers Station (5C), Lot #2, Commercial Parcel (2B):** On March 16, 2022, ARRO received Commercial Parcel (2B) land development drawings, prepared by Bohler, dated March 15, 2022, for Prosperity Property Investments, LLC. The latest commercial property layout consists of a 10,500 sf Daycare Center, a 6,000 sf Retail Store with four (4) smaller 1,800 sf Retail Stores, and a 1,820 sf Drive-thru Restaurant. ARRO is reviewing the sanitary sewer portion of the March 15, 2022 commercial land development drawings. On May 2, 2022, ARRO submitted comments to the sanitary sewer portion of the commercial land development drawings. ARRO reviewed the sanitary sewer portion of revised commercial land development drawings submitted May 25, 2022. ARRO prepared a July 5, 2022 letter with sanitary sewer review comments to the May 25, 2022 amended final PRD plans.

Nothing new to report.

**Byers Station (6C), Vantage Point (a.k.a. Fieldstone at 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. On March 16, 2022, ARRO received updated land development design drawings. ARRO is in the process of reviewing the drawings to confirm they address ARRO's March 6, 2020 comments. On March 16, 2022, ARRO received updated land development design drawings. ARRO is in the process of reviewing the drawings to confirm they address ARRO's March 6, 2020 comments. ARRO reviewed the updated land development design drawings and had further comments to the drawings, which were transmitted on April 21, 2022. ARRO prepared a May 24, 2022 letter to the Developer's engineer documenting sufficient capacity within the Route 100 Regional WWTP for the proposed development's 10,600 gpd flow. Furthermore, ARRO reviewed the revised Component 3 for the project. ARRO reviewed revised land development drawings and construction cost breakdown for the sanitary sewer portion of the project and submitted comments to the documents on June 15, 2022. ARRO reviewed and commented on the sanitary sewer portion of the July 8, 2022 land development drawing. ARRO is assisting the Developer's engineer with the PennDOT highway occupancy permit. ARRO is assisting the Developer's engineer with the PADEP Sewage Facilities Planning Module preparation. On September 13, 2022, ARRO participated in the project pre-construction meeting.

ARRO reviewed and commented on the project's initial sanitary sewer shop drawings.

## **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.

**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. At ARRO direction, surveyors will be conducting boundary survey the week of September 20, 2021 for both the Citadel Credit Union and Eagle Service Center lots. Temporary and permanent easement plans and descriptions will be prepared by the surveyors for future easement agreements. Surveyors completed the boundary survey for both Citadel Credit Union and Eagle Service Center lots. Easement plans and descriptions were submitted to ARRO on October 7, 2021 for review. ARRO prepared comments to the documents and submitted them to the surveyors on October 20, 2021. Surveyors revised the easement documents and resubmitted them to ARRO. ARRO reviewed and forwarded the documents to the Authority solicitor on November 10, 2021 with a request to prepare a Deed for Sewer Easement for each the Citadel Credit Union and Eagle Service Center lots. The Authority solicitor prepared a Deed for Sewer Easement for both the Citadel Credit Union and Eagle Service Center lots. The documents are being reviewed by the property owners. A Deed for Sewer Easement for both the Citadel Credit Union and Eagle Service Center lots as prepared by the Authority solicitor was approved by each property owner and recorded in the Chester County Courthouse. Recorded documents were sent to each property owner by the solicitor on January 19, 2022.

On March 16, 2022, ARRO received proposed sanitary sewer design drawings from the Developer's engineer. ARRO is in the process of reviewing the latest sanitary sewer drawings. ARRO is in the process of reviewing the latest sanitary sewer drawings. ARRO had a June 21, 2022 meeting at 37 Pottstown Pike with Synergy Environmental to discuss the possible discharge of treated groundwater remediation effluent to the Eaglepointe WWTP sanitary sewer system in lieu of the existing discharge to the Township stormwater system. On September 15, 2022, ARRO received updated sanitary sewer plans and the sanitary sewer facilities planning module application mailer for review.

ARRO reviewed the September 15, 2022 updated sanitary sewer plans and the sanitary sewer facilities planning module application mailer and returned comments to the Developer's Engineer on October 11, 2022. Subsequently, the documents were revised by the Engineer and returned to ARRO, which were then reviewed and approved by ARRO with no further comments.

### **Ewing Tract**

Nothing new to report.

### **Fetter Farm Tract (a.k.a. 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 SFPM is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. ARRO reviewed the latest revised Water Quality Management Part II Permit application package received August 21, 2019 from Ebert Engineering. ARRO has no further comments to Ebert's permit application, only ARRO comments remain to be addressed on E. B. Walsh's land development drawings regarding the lining of low-pressure force main discharge manholes. Ebert Engineering sent to PADEP the WQM Part II Permit Application package by transmittal letter dated October 3, 2019. On October 15, 2019 ARRO received from E. B. Walsh the latest Subdivision and Land Development Plan drawings entitled "The Preserve at Marsh Creek" along with a response letter to previous plan review comments. ARRO will review and comment on the sanitary sewer portion of the latest drawings. ARRO reviewed and on November 1, 2019 issued comments to the Phases 1 and 1A sanitary sewer escrow calculations as submitted by the McKee Group. McKee Group issued revised escrow calculations on November 15, 2019 in response to ARRO comments. The Preserve at Marsh Creek preconstruction meeting was held on December 4, 2019. Site survey and erosion control measures work will be starting within two weeks. ARRO has requested a schedule of sanitary sewer installation work from the site contractor. PADEP issued the WQM permit, dated November 25, 2019, for the low-pressure sanitary sewer with individual grinder pumps and for the upgrade to the Reserve at Eagle Pump Station No. 1 required as part of the project. McKee Group held a February 5, 2020 meeting with its engineers and contractor. Discussions included forthcoming designs for the piping between the Preserve drip fields and Upland Farms pump station, revisions to gravity sanitary sewer around Reserve at Eagle PS #1, and the Route 100 Regional WWTP Phase III expansion. McKee expects submission of the Phase III expansion design around May 2020, not March 2020 as stipulated in the Agreement for Expansion of the Route 100 Central WWTP. ARRO had a February 12, 2020 meeting with Keystone Engineering at the Reserve at Eagle PS #1 to discuss electrical revisions to the station in support of the upgrade necessary to carry McKee flows. ARRO continues reviewing the project's sanitary sewer materials shop drawings. Site contractor construction schedule shows start of sanitary sewer installation as the last week of February 2020. Site contractor started sanitary sewer installation on March 4, 2020. Site contractor suspended sanitary sewer installation work due to coronavirus restrictions. On May 1, 2020 Ebert Engineering submitted initial plans for the Reserve at Eagle Pump Station Upgrade. ARRO transmitted a May 12, 2020 email to Ebert Engineering with review comments to Reserve at Eagle Pump Station Upgrade plans. ARRO received an email from Ebert Engineering that the initial submission of the Upland Farms drip pump station upgrade and Fetter's site drip field design would be submitted during the week of May 25. On June 12, 2020 ARRO received from Ebert Engineering the initial submission of the Fetter's Tract Drip Disposal System Part II WQM Permit Application, Design Engineer's Report and Drip Disposal System design drawings issued for WQM

review. ARRO is in the process of reviewing the documents. ARRO reviewed E. B. Walsh Utility Coordination drawings and Ebert Engineering revised low pressure sewer system drawings and issued June 17, 2020 comments to each drawing set. On June 25, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design that removed the Drip Filter Building, along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO transmitted comments on the documents to Ebert Engineering by email dated July 2, 2020. On July 15, 2020 E. B. Walsh submitted a revised Utility Coordination plan set to address previous ARRO comments. The plan set was primarily developed to coordinate information contained on various plans prepared by Ebert Engineering and the E. B. Walsh offices. ARRO is in the process of reviewing the revised plan set. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO is in the process of reviewing the revised plans. Gravity sanitary sewer installation continues, while low pressure sewer system shop drawings were submitted and reviewed in early August 2020. On July 24, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO is in the process of reviewing the revised documents. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO reviewed the revised plans. ARRO transmitted an August 19, 2020 email to Ebert Engineering stating it had no further comments to the plans. ARRO transmitted a September 4, 2020 email to Ebert Engineering with review comments to the revised Fetter Drip Disposal System design along with the revised WQM Part 2 Permit Application and Design Engineers Report. ARRO submitted September 2, 2020 comments to the Ebert Engineering drawings of the rerouted Reserve at Eagle PS #1 force main around existing Manhole #500 necessary to facilitate the installation of new gravity sewer between the manhole and the pump station wetwell. The drawings were subsequently revised and approved by ARRO. Sanitary sewer and force main work at the Reserve at Eagle PS #1 was completed and tested. All sanitary sewer was completed and tested between the Reserve at Eagle PS #1 and the Toll/McKee model homes. House service lines at the four McKee model homes and the two Toll Brothers model homes were completed and tested. 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 an August 17, 2021 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. A pre-construction meeting for Phase 2 and Phase 3 was conducted on December 6, 2021. The sanitary sewer systems in both phases are low pressure sewer. The contractor has started to submit the sanitary sewer component shop drawings. Phase 2 and Phase 3 sanitary sewer installation has not begun as of February 17, 2022. Phase 2 sanitary sewer installation began on March 14, 2022. On March 8, 2022, Ebert Engineering submitted a February 14, 2022 letter from Hydro Designs, Inc. with the concept of combining the drip systems of both Upland Farms and Preserve at Marsh Creek under one process control. ARRO is reviewing the letter. On April 29, 2022, the Authority Administrator and ARRO received an email that McKee has authorized MGK to proceed with the Reserve at Eagle Pump Station #1 upgrades. On July 6, 2022, ARRO directed Ebert Engineering to provide a written update and schedule for the drip field controls prior to a meeting with the Authority Administrator to discuss the Hydro Designs, Inc. letter with its concept of combining the drip systems of both Upland Farms and Preserve at Marsh Creek under

one process control. As of September 20, 2022, ARRO has yet to receive the update and schedule from Ebert Engineering.

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

ARRO continues to receive and review the Reserve at Eagle Pump Station #1 Upgrade shop drawings.

A video conference was held on October 17, 2022 with the Authority Administrator, McKee, Ebert Engineering, MGK and ARRO to discuss the schedule for the installation of the drip field tubing, the drip supply and return piping and controls and the effluent pipe from the Upland Farms drip control building to the Preserve at Marsh Creek drip fields. The need to start monitoring well background sampling was also discussed. Subsequently, a site drip field pre-construction meeting was arranged with PADEP to occur on October 21, 2022.

## **Greenridge**

**Greenridge WWTP, WQM Renewal Permit:** ARRO has started preparing the 5-Year Comprehensive Groundwater Monitoring report for inclusion with the WQM permit renewal application being prepared by Clean Water, Inc. ARRO completed the 5-Year Comprehensive Groundwater Monitoring report and submitted it to Clean Water to insert in the WQM permit renewal application. ARRO inquired of Clean Water about the WQM permit renewal application and was told Clean Water is waiting for the \$5000 permit renewal application fee check from Upper Uwchlan and Clean Water will definitely submit the application before the August 28, 2022 due date.

Nothing new to report.

**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 (SFPMP) now includes the revised Section H, and the Component 4 submissions have been forwarded to Chester County's Planning Commission and Health 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 Health Department returned the Open Community Components 4A, 4B and 4C. Component 3 Sections G and J were completed. The Township authorized sending the SFPMP 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 17, 2022. On September 7, 2022 ARRO received an email from the Developer that sanitary sewer construction has resumed.

Nothing new to report.

**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 received a proposal from its surveyor to prepare initial survey for the sewer extension and is evaluating the proposal. ARRO reviewed the surveyor proposal to prepare initial survey for the sewer extension and recommended its approval to the Authority Administrator. ARRO received approval from the Authority Administrator for survey. ARRO directed the surveyors to proceed with the initial survey for the sewer extension. ARRO continues the plans for decommissioning the Meadow Creek WWTP and continues preliminary pump station and force main design to convey sewage to the Greenridge WWTP. On July 5, 2022, ARRO received the Hopkins & Scott site survey for the project. ARRO incorporated the survey into the sanitary sewer drawings. The Authority Administrator and ARRO participated in a conference call with PADEP about the Greenridge WWTP upgrade and sending Meadow Creek sanitary sewer flow to Greenridge for treatment.

ARRO is working on the selection of wastewater treatment methods to upgrade the Greenridge WWTP to treat the combined flow from Greenridge, Stonehedge, OCARD and Meadow Creek.

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

Nothing new to report.

**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 dish 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. ARRO requested a proposal from its surveyor to prepare the initial survey for the Moore Road and Ivystone Drive sanitary sewer extension design. ARRO received a proposal from its surveyor for the initial survey of Moore Road and Ivystone Drive in support of the sanitary sewer extension design. After negotiation ARRO agreed on a \$7200 price, which was approved by the Authority Administrator. ARRO received Moore Road and Ivystone Drive survey drawing data and in the process of incorporating the information into the sanitary sewer extension design drawings. ARRO continues to prepare draft Moore Road sanitary sewer extension design drawings. ARRO is examining the extension of sanitary sewer to serve all Walter Court homes. ARRO prepared a draft letter to property owners that have sewer easements along the creek informing them of future I&I televising. On July 12, 2022 ARRO received an \$1850 proposal to televise the 3200 LF of sanitary sewer. The Authority Administrator approved the proposal. Televising is planned for September – October 2022.

Televising of the 3200 LF of sanitary sewer was completed on October 7, 2022. ARRO will review the video to check for I&I.

At ARRO's request, the Township Public Works televised the Walter Court sanitary sewer and found four existing laterals, two each on the north side and south side of the sewer. The south side laterals are already in use. ARRO approached the two property owners on the north side of Walter Court about connecting to the existing Walter Court sewer and one property owner has expressed a firm interest in connecting. On August 4, 2022, ARRO met with the property owner at 526 Walter Court who expressed interest to connect to the Lakeridge WWTP sanitary sewer system and presented connection information and the Township's sanitary sewer permit requirements. ARRO assisted in preparing an Authority letter to the Township stating no Facilities Fee will be assessed for the connection of 100 Moore Road and 526 Walter Court to the Lakeridge sanitary sewer system.

Nothing new to report.

**Marsh Harbour**

Nothing new to report.

**Reserve at Eagle**

Nothing new to report.

**Route 100 WWTP**

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to rerate the fields for additional capacity. ARRO engaged a sub-consultant to review the existing disposal field design records, the Route 100 WWTP SBR discharge limits and ARRO study findings. ARRO received the sub-consultant's report and is reviewing the findings. ARRO prepared a revised Route 100 Regional WWTP allocated treatment and disposal

capacity summary. Based on an ARRO search and mapping study conducted in late 2016 for new disposal sites within and near the Township ARRO is evaluating a parcel on South Chester Springs Road to propose how the land could be subdivided and will be preparing an estimate of disposal capacity that would be available in the subdivided areas. ARRO evaluated a parcel on South Chester Springs Road to propose how the land could be subdivided and prepared an estimate of disposal capacity that would be available in the subdivided areas. ARRO found two potential 18-acre drip field areas on the parcel each with an average estimated capacity of 100,000 gallons per day. ARRO has initiated preliminary layout design for two potential 18-acre drip fields on the South Chester Springs Road parcel (the Bennett property). ARRO started preparing the Route 100 Regional WWTP annual groundwater monitoring report. ARRO completed preparation of the draft Route 100 Regional WWTP annual groundwater monitoring report. ARRO will submit the report to PADEP after review and comment. On July 25, 2022 ARRO submitted to PADEP the Route 100 Regional WWTP annual groundwater monitoring report.

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 prepared and submitted responses to the Township Planning Commission comments. ARRO will meet with the Township Planning Commission at its October meeting. The Chester County Planning Commission submitted a letter to ARRO that the draft Plan was consistent with the County's Comprehensive Plan. The Chester County Health Department has yet to provide a review letter or comments to the draft Plan. ARRO completed drive-by field confirmations of the returned OLDS surveys, but continues to place a hold on completing the in-person field verifications due to COVID-19 concerns. ARRO met with the Township Planning Commission at its October 2021 meeting, reviewed their comments on the Act 537 Plan, and provided further description relative to ARRO responses to the Commission's comments. Chester County Health Department submitted a review letter with one comment, primarily for minor verbiage clarification. The next step will be to prepare the Plan for public review and comment. Also, at the end of September 2021, ARRO submitted the Plan's quarterly status update to PADEP. ARRO prepared the Plan for public review and comment. ARRO is in the process of preparing the public notice for advertisement of the Plan for the



30 day public comment period. ARRO will coordinate with the Township to place the Notice in the newspaper within the next couple of weeks. A hard copy of the Plan will be provided to the Township to keep at the Township Office front desk for any Township resident who wish to stop by and look at it. An electronic copy will also be provided to the Township to post on their website. ARRO prepared the public notice for advertisement of the Act 537 Plan's 30-day public comment period. On December 6, 2021 ARRO transmitted the notice to the Township who will place the advertisement and an electronic version of the Plan to the Township for placement on the Township's website. ARRO also brought a hard copy of the Plan to the Township Building for public review, too. Based on Township Bordeaux Estates residents' comments to the Plan, and at the direction of the Authority Administrator, ARRO revised the Plan to delete the Bordeaux Estates subdivision's future sanitary sewer. Only the Edgefield and Highview/Waterview neighborhoods will be included in the Plan for future sanitary sewer service. On April 26, 2022, another public meeting was held and residents expressed further concerns regarding the proposed public sewer in the Bordeaux neighborhoods.

The Act 537 Plan was submitted to PADEP in late June 2022. PADEP has 120 days to review and comment on the Plan; therefore, the Authority can expect PADEP comments by the end of October 2022.

### **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. The Authority Administrator and Ebert Engineering had a September 1, 2021 email exchange with PADEP regarding the WQM permit for the Route 100 Regional WWTP Phase III project. PADEP said it would not issue the WQM permit for the full 0.800 MGD, but would limit the WQM permit to 0.600 MGD. However, PADEP could issue the permit to allow construction of the final two SBR tanks with the caveat that only three of the four SBRs can be operational at any one time. A draft copy of the permit was received by Ebert Engineering the week of September 13, 2021 and was forwarded to the Authority Administrator for review by ARRO. ARRO reviewed the draft copy of the Phase III WQM permit and prepared comments to the Authority Administrator. The ARRO comments were incorporated into a draft letter on Authority letterhead. The letter was submitted to PADEP for use as the basis for discussion in a September 29, 2021 video conference with the Authority Administrator, PADEP, Ebert Engineering and ARRO in an effort to expedite the issuance of a final permit. PADEP issued the final Phase III WQM permit under transmittal letter dated November 15, 2021. ARRO received on October 22, 2021 Ebert Engineering's first revision to the draft Route 100 Regional WWTP Phase III construction drawings and technical specifications. ARRO prepared comments to the documents and submitted them to Ebert Engineering on November 8, 2021. ARRO prepared and submitted on November 16, 2021 further comments to the electrical design. On December 6, 2021 Ebert Engineering submitted the second revision to the draft Route 100 Regional WWTP Phase III construction drawings and technical specifications. ARRO prepared comments to the documents and submitted them to Ebert Engineering on December 20, 2021. The Phase III pre-construction meeting was held at the Upper Uwchlan Township Building on February 17, 2022. Ebert Engineering is preparing revised plans to show the 3<sup>rd</sup> and 4<sup>th</sup> effluent pumps planned under Phase 1 and Phase 2 and the inclusion of an emergency generator to power effluent pump(s) during power outages. On March 30, 2022 Dutchland transmitted an email to the Authority Administrator, Ebert Engineering, MGK and ARRO stating they found a problem with the existing SBR Digester & EQ Tank exterior wall panels. The panels that were to make up the common wall with Phase III SBR tanks do not have the correct reinforcing steel to allow a full tank on one side and an empty tank on the opposite side. A video conference was held on April 5, 2022 to discuss the issue. Subsequently, Dutchland submitted an April 11, 2022 letter with drawings showing separate SBR #3 and SBR #4 tanks. ARRO is reviewing the drawings and will provide comments. On May 6, 2022 ARRO submitted comments to the Dutchland drawings of separate SBR #3 and SBR #4 tanks structure. ARRO started review of Route 100 Regional WWTP Phase III shop drawings. ARRO submitted comments to the Aqua-Aerobics SBR materials shop drawings on May 24, 2022. ARRO reviewed and transmitted August 9, 2022 comments to Ebert Engineering on the draft Dutchland separate SBR #3 & #4 tank drawings and the Ebert Engineering revised SBR plans based on the draft Dutchland drawings.

ARRO continues review of Route 100 Regional WWTP Phase III shop drawings as they are submitted.

ARRO continued to review Ebert and Dutchland revisions to the Phase III design drawings and technical specifications when submitted. ARRO has no further comments to the latest Technical Specifications, dated September 9, 2022, and only one comment to the latest Contract Drawings, last dated September 14, 2022.

MGK submitted to McKee a \$398,993.00 change order, dated October 19, 2022, for the costs to SBR precast tank changes, additional cost of piping and the cost of two new effluent turbine pumps. The change order revises the Phase III contract total cost to \$3,392,453.00. McKee forwarded the change order to the Authority Administrator by email dated October 19, 2022, stating they will approve this increase in the contract costs of the WWTP, but at some point they will need to talk to the Authority about the change order costs.

**Saybrooke**

Nothing new to report.

**St. Andrews Brae**

Nothing new to report.

**Upland Farms**

Nothing new to report.

**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. ARRO reviewed the project's conditional use application and prepared a September 7, 2021 letter to the Township. The Developer is proposing 64 single-family lots with a required sanitary sewer capacity of 14,400 gallons per day. The proposed subdivision will be serviced by the Route 100 Regional WWTP with drip field irrigation disposal to be offered for dedication to the Township. ARRO reviewed the project's revised conditional use plans, dated October 4, 2021, and submitted an October 27, 2021 comments letter to the Township. A Conditional Use meeting is scheduled for February 22, 2022. The February 22, 2022, Conditional Use meeting is scheduled to continue on March 29, 2022. A March 29, 2022, Conditional Use meeting was held for the project. There were discussions with the Authority Administrator and ARRO regarding combining flows from Meadow Creek and 100 Greenridge Road and sending the combined flow to the Route 100 Regional WWTP for treatment and disposal.

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. Highway Materials initiated construction the week of September 7th. Much of the trench saw-cutting has been completed and Highway Materials is currently installing sewer and manholes in the area of Eagle Farms Road. Highway Materials has completed approximately 75 percent of the sewer within Eagle Farms Road. Portions of the existing 42-inch CMP storm sewer pipe within Eagle Farms Road needed to be exposed for the sanitary sewer main installation; however, the pipe was so badly deteriorated it could not be safely supported during the sanitary sewer main installation, nor could the pipe be removed and replaced after sewer main installation due to its condition. Replacement of the existing 42-inch CMP with 36-inch RCP is proposed. The 36-inch RCP will allow similar flow capacity to the 42-inch CMP and will permit reuse of the existing storm sewer precast concrete structures. The additional cost for replacing 256 LF of storm sewer pipe is \$117,604 or \$459.39/LF. ARRO anticipates this cost will be eligible for 50% funding reimbursement and intends to submit the cost to DCED at the appropriate time. ARRO recommends a change order be granted for the storm sewer work. Additionally, ARRO recommends approving a time extension to late November for substantial completion, with final paving likely delayed until Spring 2022. A detour plan was required by PennDOT for the work east of Graphite Mine Road. ARRO prepared the detour plan and submitted it to PennDOT. PennDOT

approved the plan and Highway Materials restarted sanitary sewer installation in Byers Road on November 15, 2021. Highway Materials has completed the installation of all sanitary sewer main and laterals in Byers Road and Eagle Farms Road. Testing of the sanitary sewer along with final paving and restoration remains to be completed. ARRO has prepared a draft letter that will be sent to all property owners advising them of the tentative schedule of remaining work and when they can start to connect to the sanitary sewer system. A copy of the draft letter is attached to this report for the Authority's review and comment. Highway Materials has completed testing of the sanitary sewer. Final manhole vacuum testing along with final paving and restoration will begin in late March 2022. Final manhole vacuum testing along with final paving and restoration will begin in May 2022. Final paving and restoration were completed. Testing of all manholes remains to be completed along with manhole PVC lining and some other punchlist items. No current application for payment has been submitted. A change order needs to be prepared and certified payrolls need to be submitted by the contractor. ARRO prepared and submitted to the Authority Administrator capacity requirements for the future connected properties. ARRO submitted a July 21, 2022 letter to the Authority recommending payment to Highway Materials for the \$327,711 Application for Payment No. 3. On September 8, 2022, a letter was sent to each property where a new sewer lateral was placed directing the property owner to connect to the sanitary sewer system. Property owners have already started to pull permits for their respective work.

House service line installations started on September 28, 2022. ARRO is assisting property owners and their plumbers with installation information, as required.

**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 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. ARRO is revising the Milford Farms pump station easement drawing to comply with the property owner's request to reduce the easement width from 50 feet to 30 feet. ARRO revised the Milford Farms pump station easement drawing to comply with the property owner's request to reduce the easement width from 50 feet to 30 feet. ARRO is securing the services of an appraiser for the pump station easement. ARRO is working to put together the survey, legal description and appraisal package for the Milford Farms pump station in a Font Road property

easement. On September 1, 2022, an appraisal report package prepared by William Wood Company for the Milford Farms pump station in a Font Road property permanent easement was received in the amount of \$1,500.00.

Nothing new to report.

**301 Park Road** – A Developer's engineer, Wilkinson & Associates, has approached ARRO for sanitary sewer information for the connection of a proposed commercial building, to be located at 301 Park Road, to the Route 100 Regional WWTP sanitary sewer system within Heather Hill Drive. Currently, the building is proposed to be sized for 11 employees. The number of EDUs has yet to be determined.

Nothing new to report.

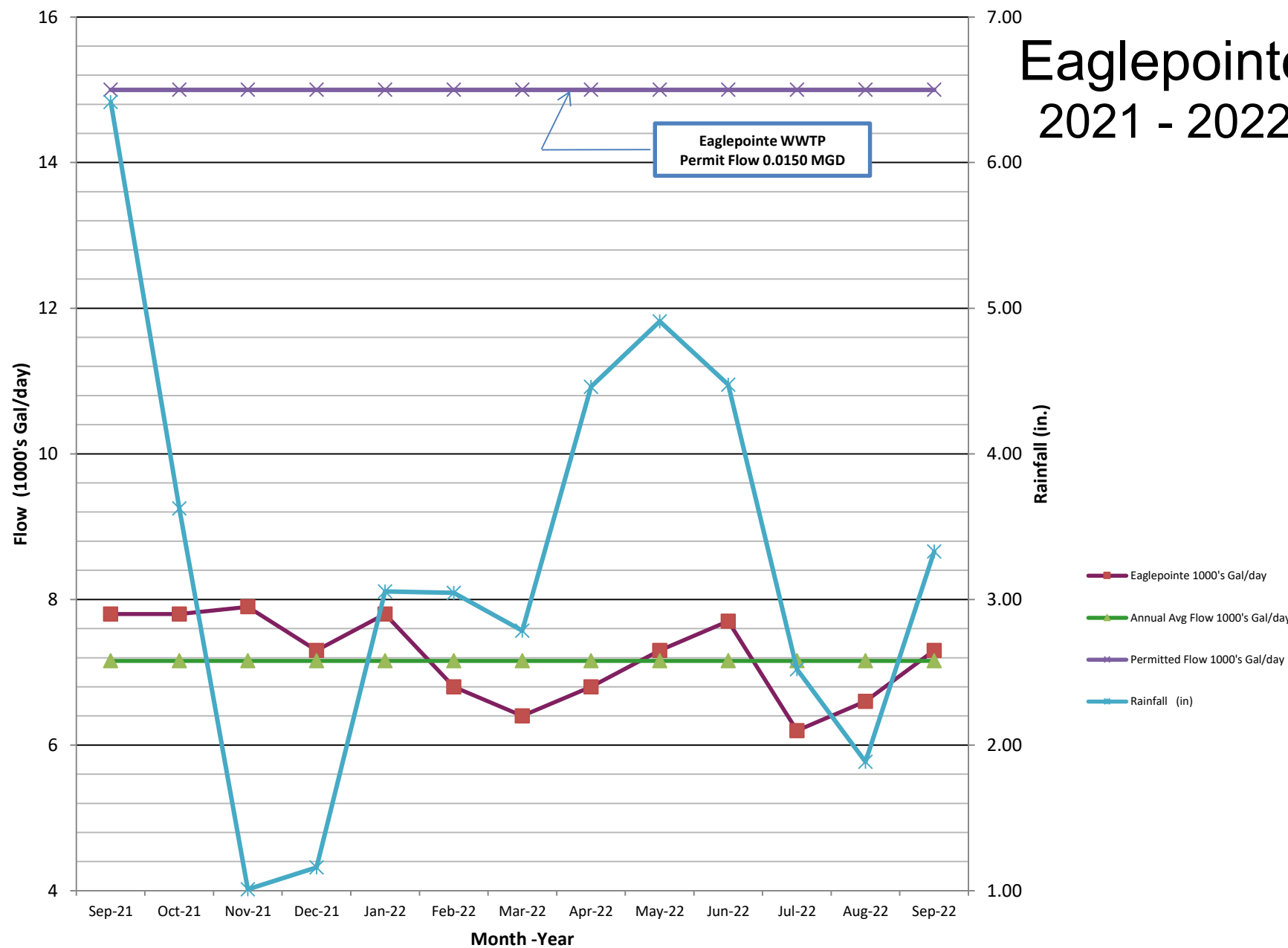
**Township Wastewater Treatment Plant's Monthly Average Flow Charts** – Please see the attached.

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

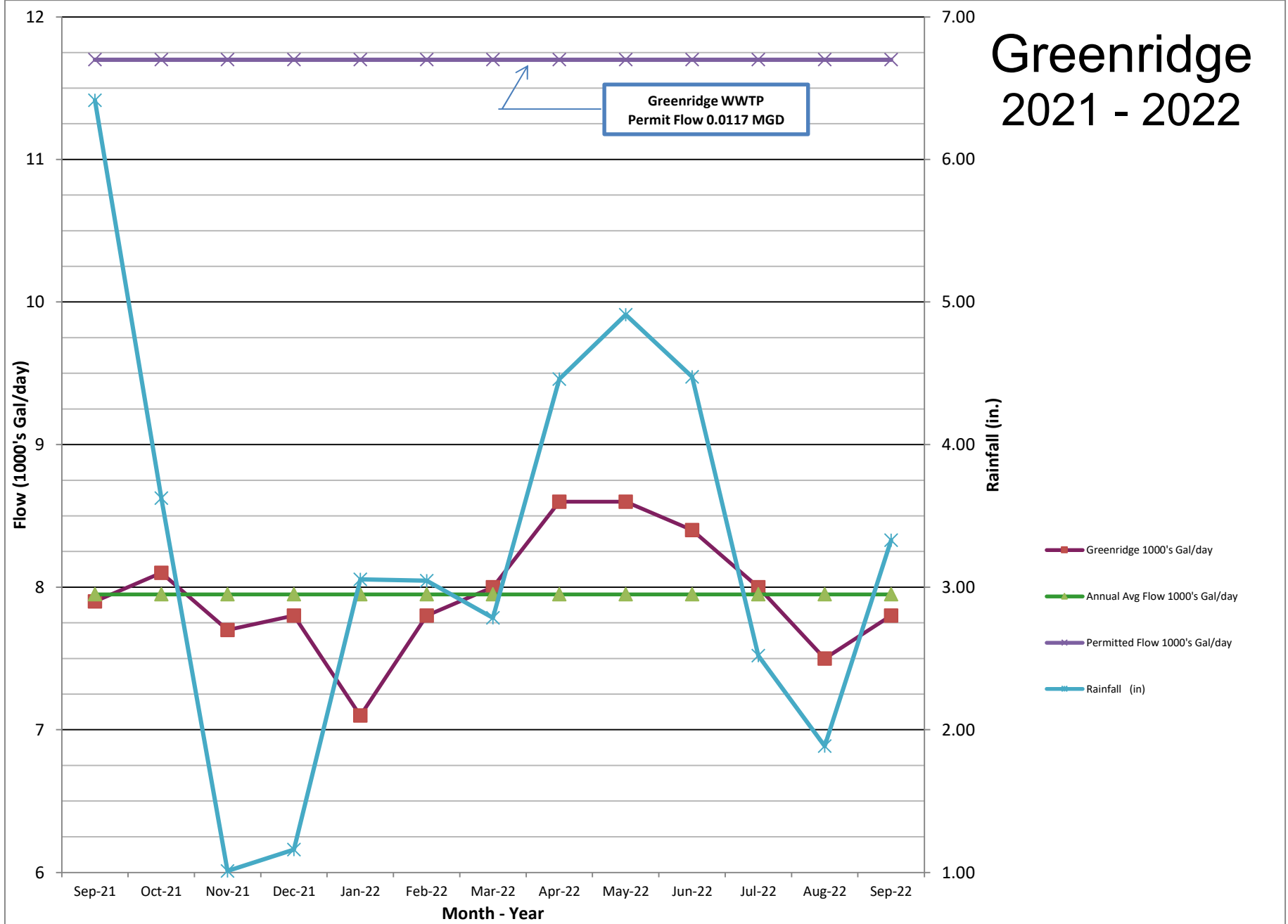
Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Sep-21		0.00780	0.00790	0.02450	0.03680	0.37500	0.00720	0.00180	6.42
Oct-21		0.00780	0.00810	0.02290	0.03630	0.37410	0.00780	0.00190	3.63
Nov-21		0.00790	0.00770	0.02330	0.03580	0.37750	0.00740	0.00170	1.01
Dec-21		0.00730	0.00780	0.02430	0.03610	0.37090	0.00730	0.00180	1.16
Jan-22		0.00780	0.00710	0.02440	0.03650	0.38300	0.00700	0.00200	3.06
Feb-22		0.00680	0.00780	0.02450	0.03490	0.39630	0.00720	0.00200	3.05
Mar-22		0.00640	0.00800	0.02400	0.03490	0.39500	0.00800	0.00220	2.79
Apr-22		0.00680	0.00860	0.02540	0.03570	0.41520	0.00810	0.00240	4.46
May-22		0.00730	0.00860	0.02540	0.03700	0.37390	0.00840	0.00190	4.91
Jun-22		0.00770	0.00840	0.02250	0.03530	0.38780	0.00850	0.00130	4.48
Jul-22		0.00620	0.00800	0.02180	0.03600	0.37010	0.00760	0.00110	2.52
Aug-22		0.00660	0.00750	0.02160	0.03500	0.37540	0.00770	0.00110	1.89
Sep-22		0.00730	0.00780	0.02190	0.03250	0.38660	0.00750	0.00140	3.33
<b>Annual Avg Flow =</b>		<b>0.00716</b>	<b>0.00795</b>	<b>0.02350</b>	<b>0.03550</b>	<b>0.38382</b>	<b>0.00771</b>	<b>0.00173</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>	



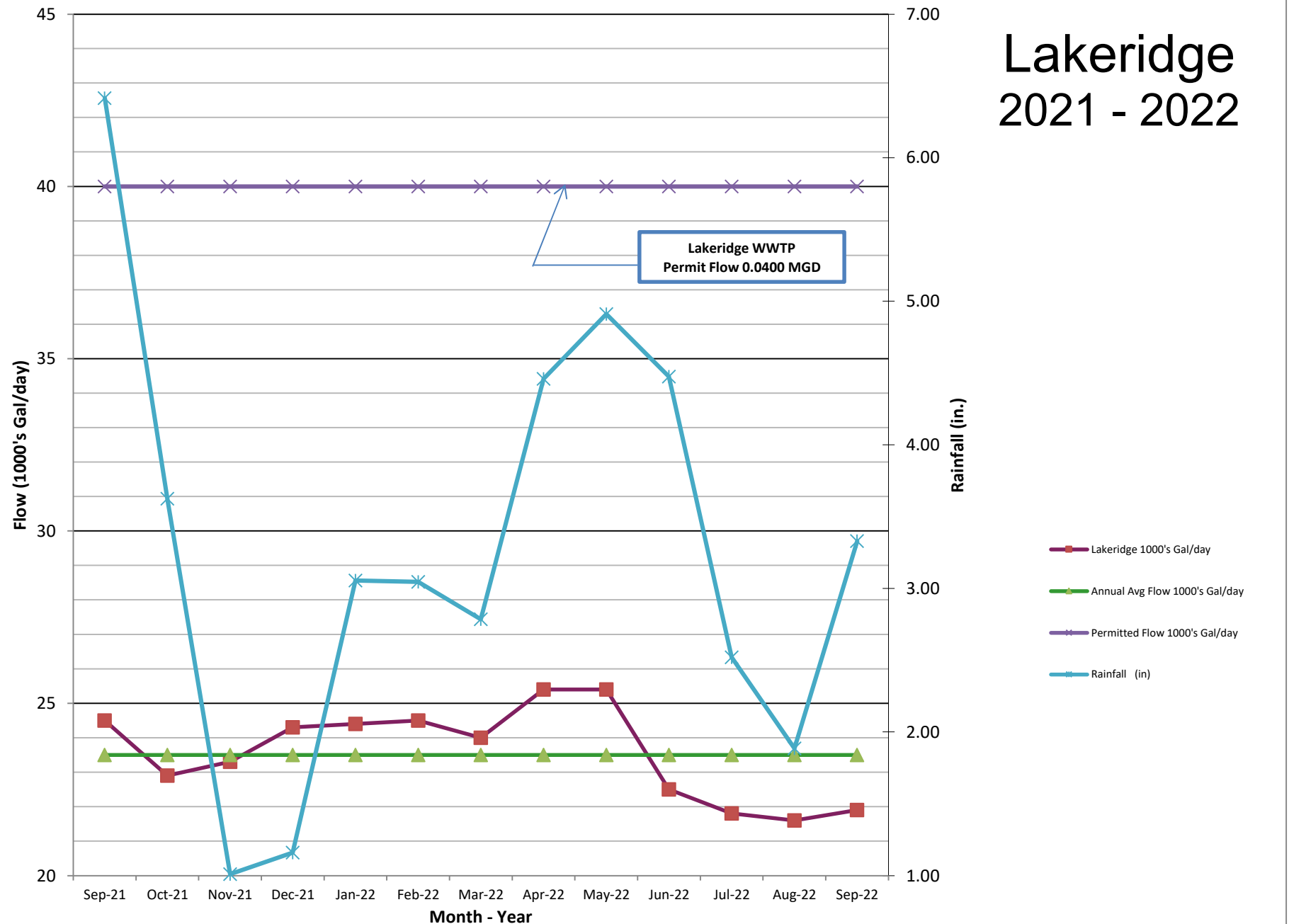
# Eaglepointe 2021 - 2022



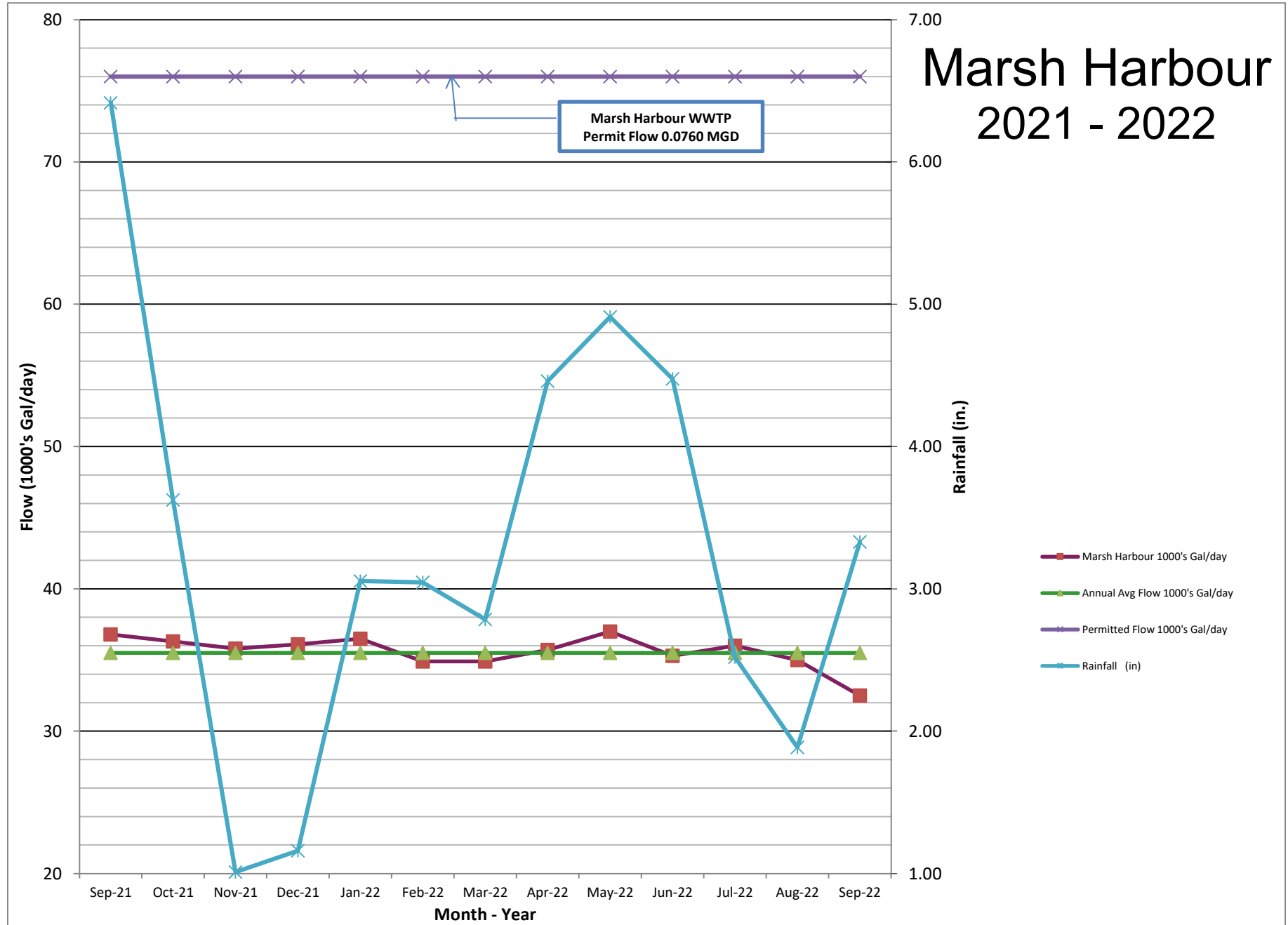
# Greenridge 2021 - 2022



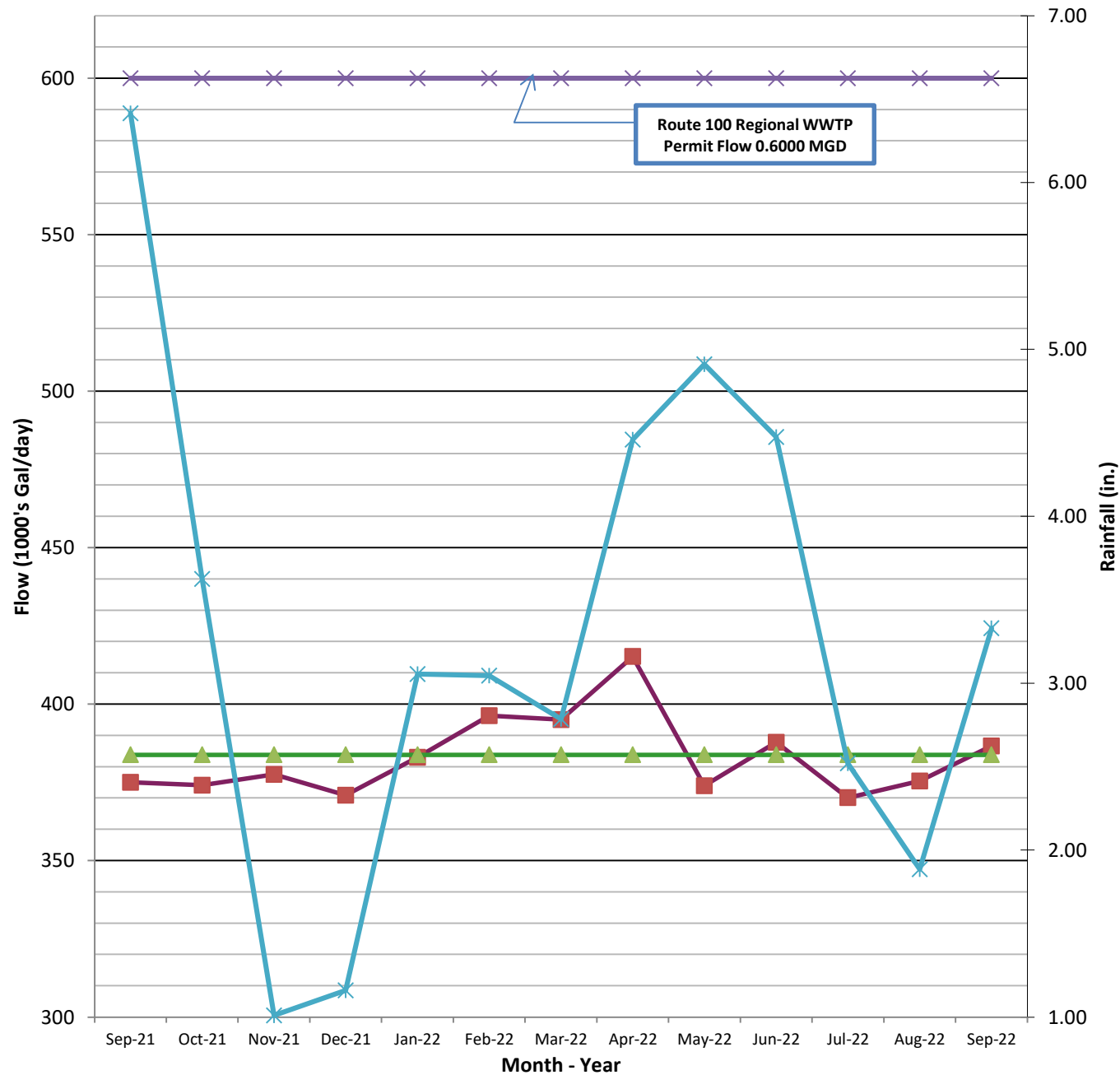
# Lakeridge 2021 - 2022



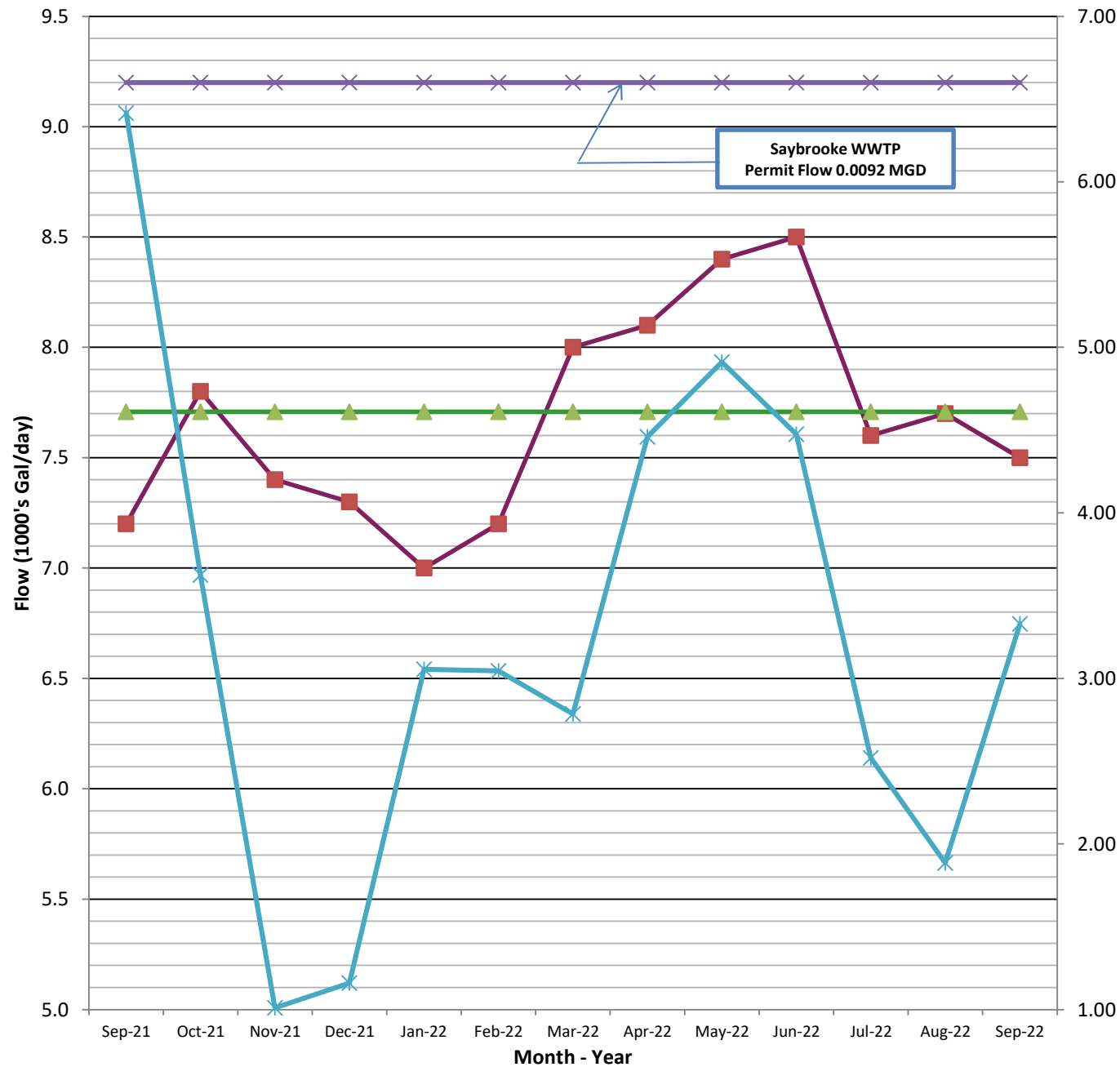
# Marsh Harbour 2021 - 2022



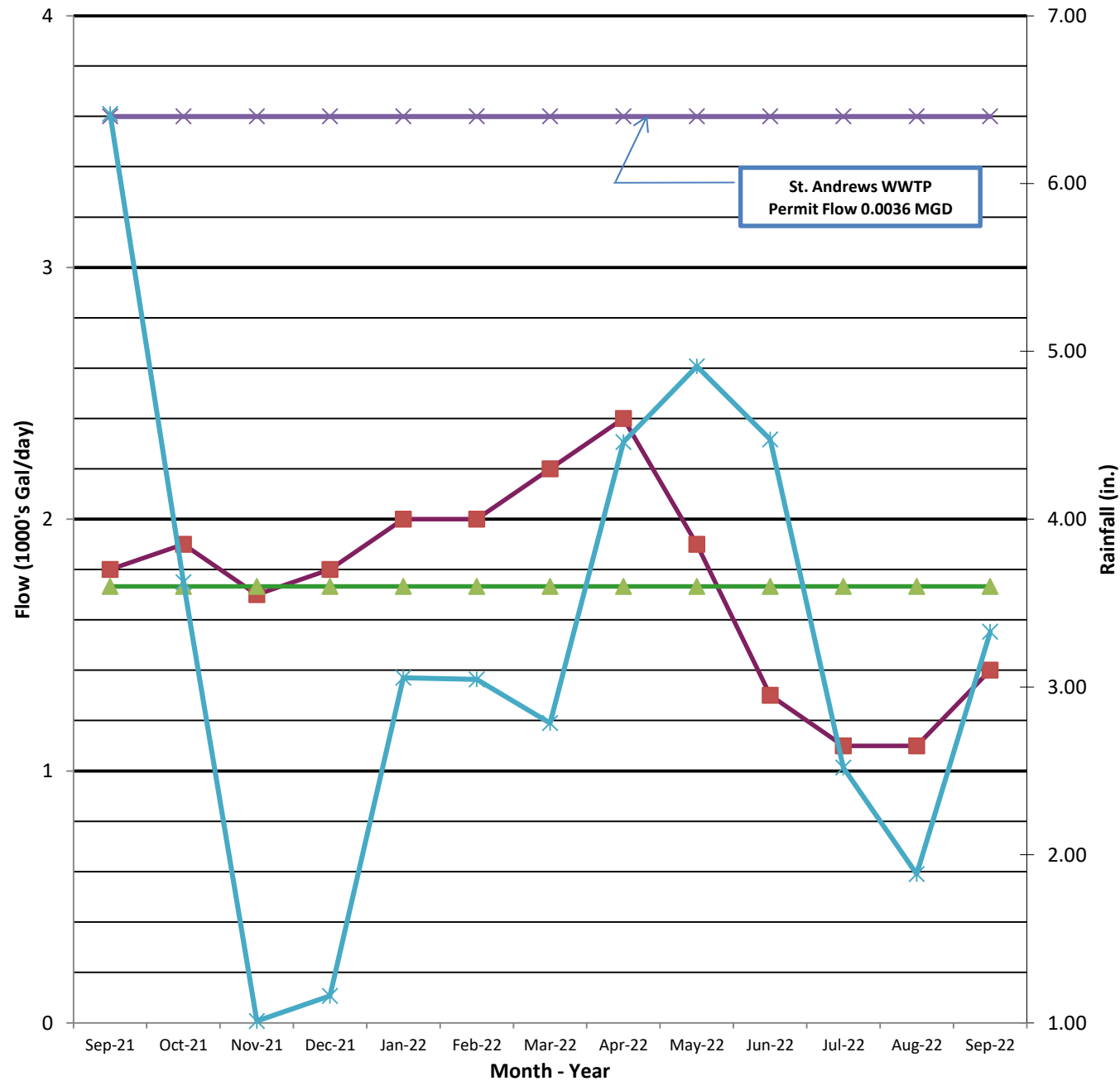
# Route 100 2021 - 2022



# Saybrooke 2021 - 2022



# St. Andrews 2021 - 2022





To: Municipal Authority Members

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

Re: Authority Administrator's Report

Date: October 20, 2022

Activities for the month of September include:

- A. Communication with WWTF Operator, ARRO, Solicitor and Township Staff regarding operational and maintenance issues. (22.0 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Communication and meeting with McKee, ARRO and the contractor regarding the upgrade to the Route 100 WWTF and the Upland Farms disposal infrastructure. (4.0 hours)
- D. Communication with residents regarding connection to the Byers Road sewer main. (2.0 hours)
- E. Communication with ARRO and homeowner regarding the ROW needed for a new pump station on Font Road as part of the Milford Farms extension. (3.0 hours)
- F. Review of communication information for upgrade to SCADA system as part of the Phase III expansion of the Route 100 WWTF. (2.0 hours)

Please advise if you have any questions or comments.





To: Upper Uwchlan Township Municipal Authority Members

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

Date: September 21, 2022

Subject: Proposal to modify Equivalent Dwelling Unit (EDU) Value for Single Family Homes

I would like to recommend adjusting the EDU value for Single Family Homes from its current 225 gpd to 200 gpd. This would require your approval through a resolution and would require approval from the Planning Group at PADEP.

For the past 15 years, the average actual flow per EDU in the Township has been less than 150 gpd/EDU, with the exception of 2020 and 2021 during the pandemic, where it increased to 154.4 gpd and 151.9 gpd respectively. Further, the peaking factor as calculated based upon the average of the maximum three months has been 1.05 or less. This means, even in a case where more people were at home and discharges were higher than normal during the pandemic, the applied peaking factor to the average flow was no more than 162.1 gpd (using 2020 data). Our system is also almost 20 years old in parts and Infiltration/Inflow (I/I) has been well-controlled. Using an EDU figure of 200 gpd still allows a reasonable margin of safety for any increases due to I/I.

What this would do for us is increase the number of EDUs that could be connected to the system, more specifically the disposal fields. The permitted capacity of the fields is fixed. The EDUs are currently assessed at the 225 gpd figure for Single Family Homes. There are at present approximately 1,644 Single Family Homes connected to the Route 100 System. For disposal purposes, each is assessed at the 225 gpd EDU level. The amount of permitted disposal capacity for those homes is  $1,644 \times 225 = 369,900$  gpd. By reducing the EDU value to 200 gpd, the permitted disposal capacity for those homes would be  $1,644 \times 200 = 328,800$  gpd. This would open up  $369,900 - 328,800 = 41,100$  gpd of available capacity in the existing disposal fields without any change to the disposal permits. This would allow room for another  $41,100/200 = 205.5$  EDUs to connect to the system.

We have sufficient treatment capacity as we are constructing Phase III of the Wastewater Treatment Facility (WWTF). This helps to allow additional connections without any change to the disposal capacity. Disposal capacity is our limiting factor.

Cc: Tony Scheivert, Township Manager  
Gwen Jonik, Township Secretary  
Jay Jackson, P.E., ARRO  
Karl Schmidt, P.E., ARRO



**SEPTEMBER 2022 REPORT  
UUT MUNICIPAL AUTHORITY  
PUBLIC WORKS DEPARTMENT**

**The following projects are underway:**

**Ongoing:**

- Locks were spot checked at all pump stations. All have been secure.
- Spot checks continue and all visitors are still using the sign-in sheets at all properties.
- Spray fields were inspected.
- Spray heads continue to be built.
- Spray fields have been mowed.
- Trees and bushes were trimmed back on all driveways.
- All stations were inspected, mowed, and weeded.
- While performing monthly checks, we did not notice any serious issues with plants.

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

- **Route 100 Wastewater Treatment Plant (WWTP)**
  - Site checked
  - Cleaned facility
  - Removed trash and cleaned bathroom
  - Floors mopped
- **Byers Station Effluent Pump Station (PS)**
  - Cleaned facility
  - Swept floors

- **Byers Station Influent PS**
  - **Cleaned facility**
  - **Site checked**
  - **Leak mitigated and cleaned up**
- **Ewing PS**
  - **Cleaned facility**
  - **Floors swept**
- **Ewing West Vincent PS**
  - **Cleaned facility**
  - **Site checked**
- **Ewing Tract Effluent Disposal System**
  - **Site checked**
  - **Cleaned facility**
- **Eagle Hunt**
  - **Site checked**
  - **General cleaning**
  - **SPD Module needs replaced, Nulls notified for replacement**
- **Windsor Ridge**
  - **Cleaned facility**
  - **Site checked**
- **Saybrooke WWTP**
  - **Site checked**
  - **Cleaned facility**
- **Seabury Pump Station (527 Saybrooke Lane)**
  - **Site checked**
  - **Cleaned facility**
- **Yarmouth PS1**
  - **Site checked**
- **Yarmouth PS2**
  - **Site checked**
- **St Andrews Brae**
  - **Site checked**
  - **Cleaned facility**
- **St Andrews Brae PS (at St Andrews intersection)**
  - **Site checked**

- **Reserve Lagoon**
  - **Site checked**
  - **Cleaned facility**
- **Reserve at Eagle PS1**
  - **Site checked**
  - **Cleaned facility**
- **Reserve at Eagle PS 2**
  - **Site checked**
  - **Cleaned facility**
  - **Removed bags of trash illegally dumped**
- **Upland Farms PS/ Reserve at Waynebrook**
  - **Site checked**
  - **Cleaned facility**
- **Greenridge**
  - **Cleaned facility**
  - **Site checked**
- **Stonehedge**
  - **Site checked**
  - **Cleaned facility**
  - **Heater doesn't turn on**
- **Marsh Harbour WWTP**
  - **Site checked**
  - **Cleaned facility**
- **Marsh Harbour PS**
  - **Site checked**
- **Meadowcreek**
  - **Site checked**
- **Eaglepointe**
  - **Cleaned facility**
  - **Site checked**
- **Heron Hill PS**
  - **Site checked**
- **Lakeridge WWTP**
  - **General cleaning**
  - **Site checked**

- **Lakeridge Pump Station**
  - **Site checked**
  - **Cleaned facility**
- **Eagle Farms Rd PS (West Vincent Township)**
  - **Cleaned facility**
  - **Site checked**
  - **SPD Module needs replaced; Nulls notified for replacement**
- **Little Conestoga Rd PS**
  - **Cleaned facility**
  - **Site checked**
  - **Site mowed**
- **Eagle Manor PS (Dorothy Lane)**
  - **Site checked**
- **Garrison Drive (spray field pump station #1)**
  - **Site checked**
  - **Downspout re-installed**
- **Garrison Drive (spray field pump station #2)**
  - **Site checked**
  - **Remove trash and recycle**
- **Cameras at Route 100 WWTP are still down.**
- **UUT responded to 76 PA 1-Call tickets during the month.**
- **Safety materials continue being updated and installed for safety inspection.**
- **Confined Space signs repainted at Sunderland sewer plant.**
- **Heaters are on; Stonehedge Pump Station heater having issues.**
- **SPD Module needs to be replaced at Eagle Farms and Eagle Hunt; Nulls notified for replacement.**
- **Leak at Flagstone, repair company has been notified for repair.**
- **All facilities were deep cleaned and power washed on the inside.**
- **Locks are being sprayed/replaced for winter months.**

**Respectfully submitted,**

**Craig Rowe**  
**MA Facility Maintenance**