



## AGENDA

January 24, 2023  
7:30 p.m.

### LOCATION:

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

- I. Call to Order
- II. 2023 Reorganization
- III. Approval of Minutes: December 27, 2022
- IV. Approval of Payments: January 2023
- V. Treasurer's Report
- VI. Authority Administration Reports
  - A. Clean Water, Inc. Monthly Report
  - B. ARRO Consulting Monthly Report
  - C. Authority Administrator's Report
  - D. Public Works Department Report
- VII. Draft 2023 Operating, Capital Budgets ~ Consider Approval
- VIII. Open Session
- IX. Next Meeting Date: February 28, 2023 ~ 7:30 p.m.
- X. Adjournment



TO: Municipal Authority  
G. Matthew Brown, Authority Administrator

FROM: Gwen Jonik, Township Secretary

RE: Reorganization 2023

DATE: January 20, 2023

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The Authority is requested to conduct their reorganization for 2023 as follows:

- 2022 Chairperson, Lou Schack, calls the meeting to order and requests that Matt Brown conduct the election of Chairperson for 2023.
- Newly elected Chairperson then completes the reorganization:
  - Vice Chairperson for 2023
  - Authority Administrator – Matt Brown
  - Authority Solicitor – Christopher Frantz (\$225/hour, \$10/hour increase)
  - Authority Engineer – ARRO Consulting (\$1-\$11/hour increase across most positions)
  - Authority Operator – Clean Water Inc. (2% increase)

According to past practices, it is suggested that:

Bill Quinn would become Chairman

Joe Samarco would become Vice-Chairman



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

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

**Call to Order**

L. Schack called the meeting to order at 7:31 PM and welcomed the new member, Joe Samarco, to the Authority Board.

**Approval of Minutes**

Draft minutes of the November 22, 2022, meeting were reviewed. B. Watts moved to approve the minutes as presented. W. Quinn seconded. It was so moved.

**Approval of Payments**

Following a brief discussion and questions, W. Quinn moved to approve the payments for December 2022. B. Watts seconded. It was so moved.

**Treasurer's Report** Following a brief discussion and questions B. Watts 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 there was no update from the developer looking to partner with the Authority for land procurement in West Vincent Township (WVT). M. Brown noted he would continue to monitor the progress of the project.

M. Brown advised DEP responded to the draft Act 537 Plan submittal and a virtual meeting was held to review their questions and comments. He noted that ARRO was currently preparing revisions and responses for submission to DEP.

M. Brown noted that in accordance with the comments in the most recent audit report and at the direction of the Board, he had received a contract update for ARRO's services. He noted a copy of the contract was included in the packet and that he would be requesting action on the contract at the January reorganization meeting of the Authority.

M. Brown shared that there had been a regulatory change in the dollar amount necessary for public bidding of construction services. A copy of the L&I newsletter outlining the changes was included with the monthly Board packet.

Following several additional questions and a brief discussion on the reports, H. Harper made a motion to accept the Authority Administrators Reports as submitted. W. Quinn seconded. It was so moved.

### **Presentation of 2023 Draft Capital and Operating Budgets**

M. Brown noted the 2023 draft Capital and Operating budgets included in the packet. He asked the members to carefully review the documents and if they had any questions or comments to reach out to him. He stated the intent was to seek approval of the budgets from the Board at the January 2023 meeting.

### **Open Session**

No members of the public were present.

### **Next Meeting Date: January 24, 2023 - 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, W. Quinn made a motion to adjourn the meeting at 7:57 PM. H. Harper seconded. It was so moved.

Respectfully submitted,

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

January 23, 2023  
10:53 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: 3031 to 3057  
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
01/24/23		ALSGROUP ALS GROUP USA, CORP	3,647.20	2792
01/24/23		AQUAER AQUA-AEROBIC SYSTEMS, INC.	4,569.83	2792
01/24/23		AQUAP010 AQUA PA	1,126.53	2792
01/24/23		ARROC010 ARRO CONSULTING, INC.	20,823.87	2792
01/24/23		ATTMOBIL AT & T MOBILITY	173.75	2792
01/24/23		BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	52.50	2792
01/24/23		CHRISFRA FRANTZ, CHRISTOPHER	193.50	2792
01/24/23		CLEANWAT CLEAN WATER, INC.	11,775.00	2792
01/24/23		COMMO010 COMMONWEALTH OF PENNSYLVANIA	500.00	2792
01/24/23		DELTRUST DELAWARE VALLEY PROP&LIA TRST	6,072.70	2792
01/24/23		EAGLHARD EAGLE HARDWARE	359.76	2792
01/24/23		EDMUN010 EDMUNDS GOVTECH	11,032.76	2792
01/24/23		HARROP HARROP ENTERPRISES LLC	11,280.00	2792
01/24/23		INKS0010 INK'S DISPOSAL SERVICE, INC.	2,400.00	2792
01/24/23		MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	3,980.53	2792
01/24/23		MJREIDER M. J. REIDER ASSOCIATES, INC.	1,062.50	2792
01/24/23		PA DEP PA DEP	50.00	2792
01/24/23		PA DEP PA DEP	50.00	2792
01/24/23		PA DEP PA DEP	50.00	2792
01/24/23		PENNS080 PENNSYLVANIA ONE CALL	83.86	2792
01/24/23		PRED0010 PREDOC	3,549.17	2792
01/24/23		STARPRIN STAR PRINTING, INC	944.13	2792
01/24/23		VERIZFIO VERIZON	1,229.65	2792
01/24/23		WEINSTEI 411 WEINSTEIN SUPPLY	118.01	2792
01/24/23		WIN911 WIN-911 SOFTWARE	800.00	2792
01/24/23		PEC00010 PECO	19,480.00	2793
01/24/23		MJREIDER M. J. REIDER ASSOCIATES, INC.	418.75	2794

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	27	0	105,824.00	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	<u>27</u>	<u>0</u>	<u>105,824.00</u>	<u>0.00</u>

January 23, 2023  
10:54 AM

Upper Uwchlan Township  
Check Register By Check Id

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Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 3031 to 3057  
Report Type: All Checks Report Format: Detail Check Type: Computer: Y Manual: Y Dir Deposit: Y

Check #	Check Date	Vendor	Amount	Paid	Charge Account	Account Type	Reconciled/Void	Ref	Ref Num	Seq	Acct
PO #		Item Description									
23-00138	01/24/23	ALSGROUP ALS GROUP USA, CORP		766.50	06-420-000-030	Expenditure		2792			
	1	marsh harbour wells			Testing			6	1		
23-00138	01/24/23	qtrly byers station wells		628.50	06-420-000-030	Expenditure			7	1	
	2	qtrly byers station wells			Testing						
23-00138	01/24/23	qtrly byers station wells		749.20	06-420-000-030	Expenditure			8	1	
	3	qtrly byers station wells			Testing						
23-00138	01/24/23	qtrly byers station wells		145.70	06-420-000-030	Expenditure			9	1	
	4	qtrly byers station wells			Testing						
23-00138	01/24/23	upland farm mw		579.80	06-420-000-030	Expenditure			10	1	
	5	upland farm mw			Testing						
23-00138	01/24/23	upland farm mw		441.10	06-420-000-030	Expenditure			11	1	
	6	upland farm mw			Testing						
23-00138	01/24/23	st elizabeth wells		336.40	06-420-000-030	Expenditure			12	1	
	7	st elizabeth wells			Testing						
				3,647.20							
23-00162	01/24/23	AQUAER AQUA-AEROBIC SYSTEMS, INC.		4,569.83	06-420-000-025	Expenditure		2792			
	1	parts			Maintenance & Repair			71	1		
23-00153	01/24/23	AQUAP010 AQUA PA		78.87	06-409-000-037	Expenditure			2792		
	1	528 walter ct			Water			47	1		
23-00153	01/24/23	381 little conestoga		58.54	06-409-000-037	Expenditure			48	1	
	2	381 little conestoga			Water						
23-00153	01/24/23	111 dorothy lane		37.28	06-409-000-037	Expenditure			49	1	
	3	111 dorothy lane			Water						
23-00153	01/24/23	119 prescott drive		39.48	06-409-000-037	Expenditure			50	1	
	4	119 prescott drive			Water						
23-00153	01/24/23	439 prescott drive		37.86	06-409-000-037	Expenditure			51	1	
	5	439 prescott drive			Water						
23-00153	01/24/23	100 prescott drive		58.86	06-409-000-037	Expenditure			52	1	
	6	100 prescott drive			Water						
23-00153	01/24/23	meadow creek lane		37.86	06-409-000-037	Expenditure			53	1	
	7	meadow creek lane			Water						
23-00153	01/24/23	308 flagstone rd		60.35	06-409-000-037	Expenditure			54	1	
	8	308 flagstone rd			Water						
23-00153	01/24/23	1 prospect hill blvd		141.25	06-409-000-037	Expenditure			55	1	
	9	1 prospect hill blvd			Water						
23-00153	01/24/23	325 fellowship rd		121.37	06-409-000-037	Expenditure			56	1	
	10	325 fellowship rd			Water						
23-00153	01/24/23	658 collingwood terr		78.71	06-409-000-037	Expenditure			57	1	
	11	658 collingwood terr			Water						
23-00153	01/24/23	241 fellowship rd		37.86	06-409-000-037	Expenditure			58	1	
	12	241 fellowship rd			Water						
23-00153	01/24/23	29 yarmouth lane		58.86	06-409-000-037	Expenditure			59	1	
	13	29 yarmouth lane			Water						
23-00153	01/24/23	425 hemlock		160.26	06-409-000-037	Expenditure			60	1	
	14	425 hemlock			Water						

Check #	Check Date	Vendor				Reconciled/Void	Ref	Ref Num
PO #	Item	Description	Amount Paid	Charge Account	Account Type	Contract	Seq	Acct
AQUA PA		Continued						
23-00153	15	2680 primrose	60.26	06-409-000-037 Water	Expenditure		61	1
23-00153	16	1120 sunderland ave	58.86	06-409-000-037 Water	Expenditure		62	1
			1,126.53					
01/24/23	ARROC010	ARRO CONSULTING, INC.					2792	
23-00137	1	december services	10,000.25	06-400-000-002 Authority Admin Expense - ARRO	Expenditure		1	1
23-00137	2	project 10270.56-scada system	1,758.87	06-408-000-000 Engineering Fees	Expenditure		2	1
23-00137	3	project 10270.58-alter energy	654.25	06-408-000-000 Engineering Fees	Expenditure		3	1
23-00137	4	project 10270.71-act 537 plan	4,488.50	06-408-000-000 Engineering Fees	Expenditure		4	1
23-00137	5	project 10270.73-pretreat plnt	3,922.00	06-408-000-000 Engineering Fees	Expenditure		5	1
			20,823.87					
01/24/23	ATTMOBIL	AT & T MOBILITY					2792	
23-00139	1	ma	173.75	06-409-000-032 Telephone	Expenditure		13	1
01/24/23	BUCKL010	BUCKLEY, BRION, MCGUIRE, MORRI					2792	
23-00140	1	ma - december services	52.50	06-404-000-000 Legal Fees	Expenditure		14	1
01/24/23	CHRISFRA	FRANTZ, CHRISTOPHER					2792	
23-00145	1	ma - december services	193.50	06-404-000-000 Legal Fees	Expenditure		22	1
01/24/23	CLEANWAT	CLEAN WATER, INC.					2792	
23-00141	1	ma - monthly operations	11,775.00	06-420-000-045 Contracted Services	Expenditure		15	1
01/24/23	COMM0010	COMMONWEALTH OF PENNSYLVANIA					2792	
23-00150	1	permit - eaglepointe	500.00	06-420-000-035 Permits	Expenditure		45	1
01/24/23	DELTRUST	DELAWARE VALLEY PROP&LIA TRST					2792	
23-00142	1	ma - property insurance	4,577.90	06-409-000-035 Insurance	Expenditure		16	1
23-00142	2	ma - liability insurance	1,494.80	06-400-000-352 Insurance - Liability	Expenditure		17	1
			6,072.70					
01/24/23	EAGLHARD	EAGLE HARDWARE					2792	
23-00143	1	ma-hardware	161.88	06-420-000-020 Supplies	Expenditure		18	1

Check #	Check Date	Vendor	Amount Paid Charge Account			Reconciled/Void	Ref Num
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct	
		EAGLE HARDWARE	Continued				
23-00143	2	ma-univ pin padlock	197.88	06-420-000-020 Supplies	Expenditure	19	1
			<u>359.76</u>				
01/24/23	EDMUN010	EDMUND'S GOVTECH				2792	
23-00144	1	2023 - ma software maint-50%	8,765.56	06-420-000-045 Contracted Services	Expenditure	20	1
23-00144	2	2023 - ma cloud hosting -50%	2,267.20	06-420-000-045 Contracted Services	Expenditure	21	1
			<u>11,032.76</u>				
01/24/23	HARROP	HARROP ENTERPRISES LLC				2792	
23-00146	1	ma-custom mowing	11,280.00	06-420-000-045 Contracted Services	Expenditure	23	1
01/24/23	INKS0010	INK'S DISPOSAL SERVICE, INC.				2792	
23-00147	1	ma - december services	2,400.00	06-420-000-025 Maintenance & Repair	Expenditure	24	1
01/24/23	MCGOV020	MCGOVERN ENVIRONMENTAL, LLC				2792	
23-00149	1	rt100-ff	554.76	06-420-000-031 Pump & Haul	Expenditure	36	1
23-00149	2	rt100-ff	1,109.51	06-420-000-031 Pump & Haul	Expenditure	37	1
23-00149	3	saybrooke	324.28	06-420-000-031 Pump & Haul	Expenditure	38	1
23-00149	4	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure	39	1
23-00149	5	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure	40	1
23-00149	6	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure	41	1
23-00149	7	eaglepointe	277.95	06-420-000-031 Pump & Haul	Expenditure	42	1
23-00149	8	eaglepointe	370.60	06-420-000-031 Pump & Haul	Expenditure	43	1
23-00149	9	eaglepointe	231.63	06-420-000-031 Pump & Haul	Expenditure	44	1
			<u>3,980.53</u>				
01/24/23	MJREIDER M. J. REIDER ASSOCIATES, INC.					2792	
23-00148	1	Lakeside-effluent	45.00	06-420-000-030 Testing	Expenditure	25	1
23-00148	2	saybrooke-influent/effluent	116.25	06-420-000-030 Testing	Expenditure	26	1
23-00148	3	st andrews brae-influent/efflu	136.25	06-420-000-030 Testing	Expenditure	27	1
23-00148	4	st andrews brae-effluent	125.00	06-420-000-030 Testing	Expenditure	28	1
23-00148	5	marsh harbour-influent/efflu	136.25	06-420-000-030 Testing	Expenditure	29	1

January 23, 2023  
10:54 AM

Upper Uwchlan Township  
Check Register By Check Id

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Check #	Check Date	Vendor	Amount Paid	Charge Account	Reconciled/Void	Ref Num		
PO #	Item	Description			Account Type	Contract	Ref Seq	Acct
M. J. REIDER ASSOCIATES, INC. Continued								
23-00148	6	rt100-influent/effluent	116.25	06-420-000-030 Testing	Expenditure		30	1
23-00148	7	lakeridge-influent/effluent	116.25	06-420-000-030 Testing	Expenditure		31	1
23-00148	8	saybrooke-effluent	45.00	06-420-000-030 Testing	Expenditure		32	1
23-00148	9	st andrews brae-effluent	30.00	06-420-000-030 Testing	Expenditure		33	1
23-00148	10	e vincent lagoon-samples	80.00	06-420-000-030 Testing	Expenditure		34	1
23-00148	11	greenridge-influent/effluent	116.25	06-420-000-030 Testing	Expenditure		35	1
			1,062.50					
23-00154	01/24/23 1	PA DEP PA DEP windsor ridge wwt	50.00	06-420-000-035 Permits	Expenditure		2792 63	1
23-00155	01/24/23 1	PA DEP PA DEP 275 fellowship rd	50.00	06-420-000-035 Permits	Expenditure		2792 64	1
23-00156	01/24/23 1	PA DEP PA DEP byers station lagoon	50.00	06-420-000-035 Permits	Expenditure		2792 65	1
23-00151	01/24/23 1	PENN080 PENNSYLVANIA ONE CALL ma - monthly activity	83.86	06-420-000-329 PA One Call	Expenditure		2792 46	1
23-00158	01/24/23 1	PRED0010 PREDOC rt 100-cleaned, new cam lock	3,549.17	06-420-000-025 Maintenance & Repair	Expenditure		2792 66	1
23-00163	01/24/23 1	STARPRIN STAR PRINTING, INC 2023 Q1 envelopes for billing	944.13	06-406-000-100 Utility Billing Costs	Expenditure		2792 72	1
23-00159	01/24/23 1	VERIZFIO VERIZON ma - telephones	1,087.25	06-409-000-032 Telephone	Expenditure		2792 67	1
23-00161	01/24/23 1	WEINSTEI 411 WEINSTEIN SUPPLY fellowship-everflow	142.40	06-409-000-032 Telephone	Expenditure		2792 68	1
			1,229.65					
23-00160	01/24/23 1	WIN911 WIN-911 SOFTWARE 2023- renewal win-911 pro	118.01	06-420-000-025 Maintenance & Repair	Expenditure		2792 70	1
			800.00	06-420-000-045 Contracted Services	Expenditure		2792 69	1

Check #	Check Date	Vendor	Amount	Paid	Charge Account	Account Type	Reconciled/Void	Ref Num
PO #	Item	Description					Contract	Ref Seq Acct
	01/24/23	PECO0010 PECO						2793
23-00165	1	ma - 304 fellowship rd	260.00		06-409-000-036	Expenditure		1 1
					Electric			
23-00165	2	ma - 2500 eagle farms rd	700.00		06-409-000-036	Expenditure		2 1
					Electric			
23-00165	3	ma - seabury lane	65.00		06-409-000-036	Expenditure		3 1
					Electric			
23-00165	4	ma - primrose ct	325.00		06-409-000-036	Expenditure		4 1
					Electric			
23-00165	5	ma - 314 prescott dr	450.00		06-409-000-036	Expenditure		5 1
					Electric			
23-00165	6	ma - meadow creek lane	55.00		06-409-000-036	Expenditure		6 1
					Electric			
23-00165	7	ma - 301 pottstown pike	815.00		06-409-000-036	Expenditure		7 1
					Electric			
23-00165	8	ma - kristines way/milford	160.00		06-409-000-036	Expenditure		8 1
					Electric			
23-00165	9	ma - 711 dorian rd	375.00		06-409-000-036	Expenditure		9 1
					Electric			
23-00165	10	ma - 111 dorothy lane	145.00		06-409-000-036	Expenditure		10 1
					Electric			
23-00165	11	ma - dorlan dr	1,310.00		06-409-000-036	Expenditure		11 1
					Electric			
23-00165	12	ma - 381 little conestoga	460.00		06-409-000-036	Expenditure		12 1
					Electric			
23-00165	13	ma - milford wwtp	50.00		06-409-000-036	Expenditure		13 1
					Electric			
23-00165	14	ma - st andrews rd	65.00		06-409-000-036	Expenditure		14 1
					Electric			
23-00165	15	ma - park rd	1,300.00		06-409-000-036	Expenditure		15 1
					Electric			
23-00165	16	ma - 55 pottstown pike	515.00		06-409-000-036	Expenditure		16 1
					Electric			
23-00165	17	ma - yarmouth	360.00		06-409-000-036	Expenditure		17 1
					Electric			
23-00165	18	ma - sunderland ave	1,640.00		06-409-000-036	Expenditure		18 1
					Electric			
23-00165	19	ma - kiloran wynd	175.00		06-409-000-036	Expenditure		19 1
					Electric			
23-00165	20	ma - flagstone	750.00		06-409-000-036	Expenditure		20 1
					Electric			
23-00165	21	ma - yarmouth -pmp 1	60.00		06-409-000-036	Expenditure		21 1
					Electric			
23-00165	22	ma - 140 pottstown	260.00		06-409-000-036	Expenditure		22 1
					Electric			
23-00165	23	ma - 275 fellowship rd	7,300.00		06-409-000-036	Expenditure		23 1
					Electric			
23-00165	24	ma - heron hill	100.00		06-409-000-036	Expenditure		24 1
					Electric			
23-00165	25	ma - indian springs dr	100.00		06-409-000-036	Expenditure		25 1
					Electric			
23-00165	26	ma - yarmouth lane	110.00		06-409-000-036	Expenditure		26 1
					Electric			

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Upper Uwchlan Township  
Check Register By Check Id

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Check #	Check Date	Vendor	Amount Paid	Charge Account	Reconciled/Void	Ref Num		
PO #	Item	Description			Account Type	Contract	Ref Seq	Acct
PECO								
23-00165	27	ma - hemlock lane	375.00	06-409-000-036 Electric	Expenditure	27	1	
23-00165	28	ma - fellowship rd	1,200.00	06-409-000-036 Electric	Expenditure	28	1	
			19,480.00					
01/24/23		MJREIDER M. J. REIDER ASSOCIATES, INC.				2794		
23-00166	1	saybrooke-influent/effluent	116.25	06-420-000-030 Testing	Expenditure	1	1	
23-00166	2	st andrews brae effl/influ	136.25	06-420-000-030 Testing	Expenditure	2	1	
23-00166	3	eaglepointe- effluent/influent	166.25	06-420-000-030 Testing	Expenditure	3	1	
			418.75					
Report Totals								
			<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>		
	Checks:		27	0	105,824.00	0.00		
	Direct Deposit:		0	0	0.00	0.00		
	Total:		<u>27</u>	<u>0</u>	<u>105,824.00</u>	<u>0.00</u>		

January 20, 2023  
03:42 PM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA CAP to MA CAP Range of Check Ids: 21 to 22  
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
	01/24/23	ARROC010 ARRO CONSULTING, INC.	1,462.50		2791
	01/24/23	DECKM010 DECKMAN MOTOR & PUMP, INC	29,523.53		2791
Report Totals					
	Checks:	<u>Paid</u> 2	<u>Void</u> 0	<u>Amount Paid</u> 30,986.03	<u>Amount Void</u> 0.00
	Direct Deposit:	<u>0</u>	<u>0</u>	<u>0.00</u>	<u>0.00</u>
	Total:	<u><u>2</u></u>	<u><u>0</u></u>	<u><u>30,986.03</u></u>	<u><u>0.00</u></u>

January 20, 2023  
03:41 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 01/24/23 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 Description
	01/24/23	ARROC010	ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
23-00136	01/24/23	1	byers rd - preliminary design	210.50	07-483-000-130	Expenditure	Expenditure	Aprv	3	1
23-00136	01/24/23	2	milford farms-engineering	1,252.00	07-483-000-100	Expenditure	Expenditure	Aprv	4	1
				1,462.50	Capital Construction - Byers Road	Capital Construction - Milford Farms				
	01/24/23	DECKM010	DECKMAN MOTOR & PUMP, INC		49 W. FRONT STREET					
23-00135	01/24/23	1	rt 100 - rebuilt turbine	10,406.67	07-483-000-140	Expenditure	Expenditure	Aprv	1	1
23-00135	01/24/23	2	lakeridge - rebuilt turbine	19,116.86	07-483-000-180	Expenditure	Expenditure	Aprv	2	1
				29,523.53	Capital Construction - Route 100	Capital Construction - Lakeridge				

Checks:	<u>Count</u>	<u>Line Items</u>	<u>Amount</u>
	2	4	30,986.03

There are NO errors or warnings in this listing.

Upper Uwchlan Township Municipal Authority  
Sewer Billings

*Month to Month Change in Receivables and Collections*

	December 2022	November 2022	Change
Beginning Receivable Balance	280,607.76	280,607.76	-
<u>Billings:</u>			
Calculated charges billed	2,619,908.24	2,615,434.27	4,473.97
Billing adjustments			-
Late payment penalty	86,557.92	64,592.53	21,965.39
Adjustments	(44,014.95)	(41,404.57)	(2,610.38)
	2,943,058.97	2,919,229.99	23,828.98
<u>Less:</u>			
<u>Collections*</u>	<u>2,629,408.21</u>	<u>2,545,576.02</u>	<u>(83,832.19)</u>
 Receivable balance, month end	 <u>313,650.76</u>	 <u>373,653.97</u>	 <u>(60,003.21)</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)

	12/31/2021	12/31/2022	11/30/2022	10/31/2022	9/30/2022	8/31/2022	7/31/2022	6/30/2022	3/31/2022
Number of delinquent accounts	141	140	170	108	138	185	103	123	121
Total delinquent balance	\$ 156,695	\$ 198,211	\$ 213,031	\$ 111,567	\$ 125,274	\$ 148,161	\$ 74,585	\$ 136,207	\$ 145,711

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

**Upper Uwchlan Township Municipal Authority**  
**Balance Sheet**  
**As of December 31, 2022**

**ASSETS**

<u>Cash</u>			
06-100-000-010	General Checking - Fulton Bank	\$	144,218.11
06-100-000-015	General Checking - Meridian Bank		570,110.33
06-100-000-020	General Checking - WIPP		183,103.85
06-106-000-002	Connection Fee Account		1,486,752.44
06-110-000-100	Fulton Bank Bond Proceeds - ICS		-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA		-
	<b>Total Cash</b>		<b>2,384,184.73</b>
 <u>PSDLAF Investments:</u>			
06-109-000-003	CD Program		-
06-109-000-004	Full Flex		188.21
			<b>188.21</b>
	<b>Total Investments</b>		<b>188.21</b>
 <u>Accounts Receivable</u>			
06-145-000-001	Usage Fees Receivable		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>
 <u>Other Current Assets</u>			
06-130-000-001	Due from MA Capital Fund		21,379.48
06-130-000-002	Due from UUT General Fund		24,456.25
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		-
06-130-000-007	Due from Developer's Escrow		13,658.07
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>59,493.80</b>
 <u>Fixed Assets</u>			
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>
 <u>Other Long Term Assets</u>			
06-162-000-002	Excess Treatment Capacity		-
	<b>Total Other Long Term Assets</b>		<b>-</b>
	 <b>Total Assets</b>	\$	<b>2,734,462.44</b>

**Upper Uwchlan Township Municipal Authority**  
**Balance Sheet**  
**As of December 31, 2022**

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	127,562.08
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	73,581.19
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	18,267.18
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>219,685.45</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)	1,089,789.55
	<b>Total Equity</b>	<b>2,514,776.99</b>
	Total Fund Balance	2,514,776.99
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 2,734,462.44</b>

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

For the Period Ended December 31, 2022

		Actual 2022 YTD	Budget 2022	% of Budget	Actual 2021 <i>(unaudited)</i>	Budget 2021
<b>REVENUES</b>						
06-340-000-000	Interest Income	\$ 3,868.38	\$ 1,000.00	386.8%	\$ 4,580.74	\$ 43,500.00
06-365-000-000	Usage Fees Residential	2,488,302.92	2,375,580.00	104.7%	2,368,526.15	2,250,000.00
06-365-000-001	Usage Fees Commercial	89,816.00	100,000.00	89.8%	96,223.04	100,000.00
06-365-000-010	Connection Fees	782,471.78	1,347,500.00	58.1%	301,828.22	4,677,750.00
06-365-000-015	Sewer - resident refunds	-	-	#DIV/0!	-	-
06-365-000-020	Connection Fees - Byers Road	69,787.37	-	#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	127.70	1,000.00	12.8%	-	1,000.00
<b>TOTAL REVENUES</b>		<b>\$ 3,436,698.15</b>	<b>\$ 4,350,080.00</b>	<b>79.0%</b>	<b>\$ 2,782,788.15</b>	<b>\$ 7,537,250.00</b>
<b>EXPENDITURES</b>						
<i>General:</i>						
06-400-000-001	Administration - UUT	320,498.45	275,000.00	116.5%	273,411.49	264,736.00
06-400-000-002	Authority Adminstrative Expense - ARRO	67,373.96	120,000.00	56.1%	122,801.85	120,000.00
06-400-000-004	Authority Administrator - MB	53,918.65	-	#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	4,891.00	4,891.00	100.0%	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	19,074.03	25,000.00	76.3%	14,487.19	25,000.00
06-406-000-100	Utility Billing Costs	4,570.50	13,000.00	35.2%	7,523.36	13,000.00
06-406-000-200	Utility Billing Postage	5,357.20	-	#DIV/0!	-	-
06-408-000-000	Engineering Fees	114,737.97	150,000.00	76.5%	359,406.40	150,000.00
06-408-000-100	Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
		597,372.54	604,641.00	98.8%	789,639.87	595,256.00
<i>Building Expenses:</i>						
06-409-000-031	Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032	Telephone	16,482.91	17,500.00	94.2%	16,286.97	15,000.00
06-409-000-035	Insurance	13,950.00	13,950.00	100.0%	10,892.20	15,000.00
06-409-000-036	Electric	224,343.58	250,000.00	89.7%	225,868.29	250,000.00
06-409-000-037	Water	14,262.12	20,000.00	71.3%	31,938.83	20,000.00
06-409-000-052	Bldg Maint & Repair	871.80	10,000.00	8.7%	-	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!	-	-
		269,910.41	331,450.00	81.4%	284,986.29	330,000.00
<i>Operations:</i>						
06-420-000-020	Supplies	3,688.75	50,000.00	7.4%	20,869.89	50,000.00
06-420-000-022	Chemicals	8,576.63	15,000.00	57.2%	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	144,277.77	150,000.00	96.2%	170,967.64	120,000.00
06-420-000-030	Testing	41,576.20	50,000.00	83.2%	37,959.86	35,000.00
06-420-000-031	Pump & Haul	110,980.77	75,000.00	148.0%	103,583.94	60,000.00
06-420-000-032	Vegetation Management	17,825.59	20,000.00	89.1%	9,648.86	20,000.00
06-420-000-035	Permits	30,897.23	5,000.00	617.9%	3,602.00	5,000.00
06-420-000-042	Dues and Memberships	-	-	#DIV/0!	-	-
06-420-000-045	Contracted Services	195,749.06	175,000.00	111.9%	134,070.00	150,000.00
06-420-000-048	Misc expenses	716.10	10,000.00	7.2%	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	644.93	2,500.00	25.8%	1,602.79	2,500.00
		556,644.63	564,500.00	98.6%	500,388.01	474,500.00

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

**For the Period Ended December 31, 2022**

*(Continued)*

		Actual 2022 YTD	Budget 2022	% of Budget	Actual 2021 <i>(Unaudited)</i>	Budget 2021
<b><u>Capital:</u></b>						
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
		<hr/>	<hr/>	0.0%	318,066.79	2,900,000.00
<b>Total Expenditures before Operations Agreement and Transfers</b>		<b>\$ 1,423,927.58</b>	<b>\$ 1,550,591.00</b>	<b>91.8%</b>	<b>\$ 1,893,080.96</b>	<b>\$ 4,299,756.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ 2,012,770.57</b>	<b>\$ 2,799,489.00</b>	<b>71.9%</b>	<b>889,707.19</b>	<b>3,237,494.00</b>
<b><u>Other:</u></b>						
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	0.0%	-	-
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	235,993.76	235,994.00	100.0%	236,741.36	236,744.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	336,987.26	337,000.00	100.0%	336,198.37	336,200.00
		<hr/>	<hr/>	100.0%	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	350,000.00	-	#DIV/0!	-	-
		<hr/>	<hr/>	#DIV/0!	<hr/>	<hr/>
<b>TOTAL EXPENDITURES</b>		<b>\$ 2,346,908.60</b>	<b>\$ 2,123,585.00</b>	<b>110.5%</b>	<b>\$ 2,466,020.69</b>	<b>\$ 4,872,700.00</b>
<b>OPERATING INCOME</b>		<b>\$ 1,089,789.55</b>	<b>\$ 2,226,495.00</b>	<b>48.9%</b>	<b>\$ 316,767.46</b>	<b>\$ 2,664,550.00</b>

**Upper Uwchlan Township Municipal Authority**  
**Capital Fund**  
**Balance Sheet**  
**As of December 31, 2022**

**ASSETS**

	<u>Cash</u>	
07-100-000-010	General Checking - Fulton Bank	\$ 78,664.42
07-110-000-200	Fulton Bank - Bond Proceeds	<u>4,981,568.11</u>
	<b>Total Cash</b>	<b>5,060,232.53</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	<u>1,649,293.24</u>
	<b>Total Other Long Term Assets</b>	<b>1,649,293.24</b>
	<b>Total Assets</b>	<b>\$ 8,536,163.21</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	-
07-230-000-030	Due to UUT Capital Fund	7,900.00
07-232-000-700	Due to UUT Sewer Fund	5,205,556.07
07-240-000-000	Accrued Expenses	1,462.50
	<b>Total Current Liabilities</b>	<b>5,236,298.05</b>
	<u>Equity</u>	
07-272-000-001	Retained Earnings	-
	Current Period Net Income (Loss)	<u>3,299,865.16</u>
	<b>Total Equity</b>	<b>3,299,865.16</b>
	Total Fund Balance	3,299,865.16
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 8,536,163.21</b>

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

For the Period Ended December 31, 2022

		Actual 2022 YTD	Budget 2022	% of Budget	Actual 2021 <i>(unaudited)</i>	Budget 2021
<b>REVENUES</b>						
07-340-000-000	Interest Income	\$ 12,814.33	\$ 4,000.00	320.4%	\$	\$
07-395-000-100	Transfer from MA Operating Fund	3,983,199.73		#DIV/0!	#DIV/0!	
	<b>TOTAL REVENUES</b>	<b>\$ 3,996,014.06</b>	<b>\$ 4,000.00</b>	<b>99900.4%</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EXPENDITURES</b>						
<u>General:</u>						
07-400-000-355	Bank Fees	1,099.15	400.00	274.8%	\$ -	\$ -
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!			\$ -	\$ -
		1,099.15	122,400.00	0.9%	\$ -	\$ -
<u>Capital Construction</u>						
07-483-000-000	Capital Repair	38,624.77	-	#DIV/0!	\$ -	\$ -
07-483-000-100	Capital Construction - Milford Farms	18,236.50	700,000.00	2.6%	\$ -	\$ -
07-483-000-110	Capital Construction - Meadow Creek	54,460.75	750,000.00	7.3%	\$ -	\$ -
07-483-000-120	Capital Construction - Eaglepointe	-	-	#DIV/0!	\$ -	\$ -
07-483-000-130	Capital Construction - Byers Road	538,130.73	785,000.00	68.6%	\$ -	\$ -
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	16,697.00	-	#DIV/0!	\$ -	\$ -
07-483-000-190	Capital Construction - Saybrooke	-	-	#DIV/0!	\$ -	\$ -
07-483-000-195	Capital Construction - Byers Station	28,900.00			\$ -	\$ -
07-493-000-083	Depreciation	-	130,000.00	0.0%	\$ -	\$ -
		#DIV/0!			\$ -	\$ -
		695,049.75	2,439,760.00	28.5%	\$ -	\$ -
	<b>TOTAL EXPENDITURES</b>	<b>\$ 696,148.90</b>	<b>\$ 2,562,160.00</b>	<b>27.2%</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>OPERATING INCOME</b>	<b>\$ 3,299,865.16</b>	<b>\$ (2,558,160.00)</b>	<b>-129.0%</b>	<b>\$ -</b>	<b>\$ -</b>

# **Clean Water, Inc.**

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

170 Dallas St.  
Box 475  
Atglen, Pa. 19310

January 19, 2023

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

RE: Report for the January meeting

Dear Authority,

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

## **Route 100**

Phase III progress continues. Most of the components have been delivered on site. We continue to spray as conditions allow. Predoc finally installed the drip pump at Reserve that was replaced. This involves a crane to pull and install through the roof hatch. The Byers influent pump station had a complaint about a banging noise. As it turns out, the air release valve inside the building is broken. A new one has been ordered. MGK will install as soon as it is delivered.

## **Eaglepointe**

We will be reporting a phosphorous violation for December. The result was 1.5mg/l, the permit level is 1.0. I suspect this was due to an increased demand during the holidays. Influent loadings continue to be high. As we prepare the Chapter 94 report, we are going to note that this plant is to become a pre-treatment plant.

## **Marsh Harbour**

Plant is running fine. The timer that was replaced recently was a pin type timer. There was some chatter inside the unit that was causing the contactor to hammer. Kappe will install a delay to prevent damage to pump and contactors. This will be done at no charge to the township.

## **Lakeridge**

Predoc was out to replace a faulty cam d motor with one we had in inventory. I also ordered some parts from Aqua Aerobics for this facility to have in stock. The removal of this 25 hp motor required a crane to remove. I have asked Predoc to provide a quote to install some safety decking around the unit in the tank as well as a VFD to slow down the motor some to try and help with the foaming that has always plagued this plant. Sludge was removed by McGovern.

**Saybrooke**

Plant is running fine. We did get a call from a resident regarding the dialer from the station at 51 Yarmouth was “talking”. I went and checked it out and it was not speaking at the time.

**Greenridge**

Drip continues. The water heater unit under the sink developed a leak. I told Craig about it.

**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: January 19, 2023

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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 (SFPMP) 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 SFPMP approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019

comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors' meeting, it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SPFM package. The Authority Administrator sent a December 9, 2019 letter to PADEP with responses to comments contained in the October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SPFM package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020 letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project. ARRO received revised land development plans, dated October 8, 2020. ARRO reviewed the plans and had no additional comments to the sanitary sewer portions of the plans. ARRO reviewed the sanitary sewer escrow submitted on October 12, 2020 by Toll Brothers. ARRO prepared an October 13, 2020 letter to the Township stating it had no comments to the \$147,396.00 sanitary sewer escrow estimate. The project's preconstruction meeting was held on October 21, 2020. Work to clear and rough grade the site is expected to start at the beginning of November 2020. Sanitary sewer installation is not expected to start until February 2021. Toll Brothers submitted the project's site sanitary sewer construction bond to the Township. ARRO reviewed and commented on sanitary sewer shop drawings submitted by the site contractor, Lyons & Hohl. Toll Brothers' 55 townhomes (Lot 2A, Residential), rated at 185 gpd each, has a total sewage flow of 10,175 gpd. Toll submitted certification to ARRO documenting the repurchase of 6,560 gpd Toll originally sold to Byers Retail Acquisition Limited Partnership for the previously proposed commercial improvements of the parcel. Toll will purchase the remaining 3,615 gpd it needs at \$70 per gallon for treatment and disposal. The total amount due from Toll to Upper Uwchlan Township Municipal Authority being \$253,050 as a single, upfront payment to the Authority. According to the Township Finance Department, Toll Brothers has paid the Township the \$253,050.00 for the 55 townhomes (Lot 2A, Residential) treatment and disposal costs. Installation of sanitary sewer is tentatively scheduled to start on January 25, 2021. Sanitary sewer construction started on January 26, 2021. Sanitary sewer construction continues. Toll Brothers submitted sewer escrow release request No. 1 in the amount of \$119,330.00. ARRO reviewed the quantities and prepared an April 12, 2021 letter to the Township recommending release of the requested amount. All sanitary sewer is installed, but not been completely tested. Sanitary sewer manholes installed as part of Lot #1, but within Lot #2, remain to be vacuum tested now that paving has been placed around their manhole frames. 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 last gravity house service line to each new home was completed on November 7, 2022.

Nothing new to report.

**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 Retails 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. The Sewage Facilities Planning Module Component 3 with supporting flow calculations, Amended Final PRD Utility Plan and Project Narrative, dated November 23, 2022, were submitted to ARRO for review.

On January 4, 2023, ARRO transmitted comments to the Sewage Facilities Planning Module Component 3, the Amended Final PRD Utility Plan and the Project Narrative.

**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.

Nothing new to report.

**Eagle Hunt**

Nothing new to report.

**Eaglepointe**

**Wastewater Treatment Plant:** ARRO is working on a plan to convert the Eaglepointe WWTP into a pretreatment facility before sending the effluent on to the Route 100 Regional WWTP for final treatment. It is proposed to design and construct an effluent pump station for a 2-inch force main. ARRO has laid out a preliminary force main route from the Eaglepointe WWTP to the proposed Byers Road sanitary sewer extension across Route 100. ARRO is in the process of preparing to apply for project H2O PA grant funding for the conversion of Eaglepointe to a pre-treatment facility that will send its effluent to the Route 100 Regional WWTP. The Authority will need to execute a resolution prepared by ARRO for the grant funding. On December 20, 2022, ARRO submitted the H2O PA grant funding application for the conversion of Eaglepointe to a pre-treatment facility that will send its effluent to the Route 100 Regional WWTP.

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. ARRO was made aware that the Developer's Engineer submitted to PADEP the project's SFPM.

Nothing new to report.

#### **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 was held at the Township Building with The McKee Group to discuss the active adult community proposed by the Developer for the property. A subsequent meeting was held at the Township Building on August 14, 2014 with the Township, Developer and Authority Administrator to discuss sewage flows and disposal. ARRO reviewed a Conditional Use Plan for Fetter's Property prepared for McKee-Milford Associates, LP, dated October 12, 2016. ARRO prepared a review letter to the Township, dated November 8, 2016. The Developer is proposing 375 Housing Units, which will produce 62,675 gallons per day of sanitary sewer flow. The Developer is proposing participation in upgrades to the Route 100 Regional WWTP facility that will trigger the Phase 3 expansion of the WWTP. A review of the capacity within the downstream collection and conveyance system is required to determine the extent of improvements necessary to accept the proposed sewage flow. Preliminary Subdivision/Land Development Plans were submitted to ARRO and are currently under review. The Plans call for 375 mixed Single Family, Twin and Triple units and a Community Center to be built in the subdivision. The subdivision will connect to the Reserve at Eagle by way of Prescott Drive and to the Reserve at Chester Springs by way of Radek Court. The sanitary sewer disposal requirements are calculated to be 62,675 gpd. On-site drip disposal capacity is calculated to be 42,643 gpd, and the off-site sewage disposal requirement is 20,032 gpd. The combination gravity and low-pressure sanitary sewer systems will be directed to the Reserve at Eagle Pump Station No. 1 off Prescott Drive. Preliminary Subdivision/Land Development Plans were submitted and reviewed by ARRO. ARRO comments were submitted in an April 10, 2017 letter to the Township. ARRO is in the process of reviewing the June 15, 2017

resubmission of the Preliminary Subdivision/Land Development Application. ARRO reviewed the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Plan and submitted comments to the plan in a July 10, 2017 letter to the Township. ARRO also reviewed the subdivision's low-pressure sewer system design calculations and submitted comments to the design in a July 12, 2017 letter to the Township. ARRO reviewed an August 1, 2017 revision to the low-pressure sewer system design calculations and drawings and submitted an August 16, 2017 letter to the Township with comments to the revision materials. ARRO has started an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. The evaluation is substantially complete with the exception of emergency generator assessment. ARRO continues an evaluation of Upland Farms drip disposal to ascertain the facility's capability to store and dispose the Fetter Tract effluent. ARRO reviewed the Sewage Facilities Planning Module (SFPM) and is working on the sanitary sewer review. The Authority Administrator signed the SFPM Component 3 Sections G and J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was 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. 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. Installation of Fetter's Tract (Preserve at Marsh Creek) drip fields tubing was started by Lee Rain on October 24, 2022 and is continuing. Valley Environmental Services, Inc. completed background sampling at all but one monitoring well. The solitary monitoring well will be sampled when access is available. Installation of Fetter's Tract (Preserve at Marsh Creek) drip fields tubing was completed on November 29, 2022. Perimeter drip field piping will be installed in Spring 2023. Valley Environmental Services, Inc. completed background sampling at the last monitoring well, F-1. MGK Industries intends to start the upgrade of the Reserve at Eagle Pump Station No. 1 the week of December 26, 2022.

Installation of the gravity or low pressure system house service line to each new home continues as required.

MGK Industries received a proposal from its bypass pumping subcontractor, but has decided to postpone the start of the Reserve at Eagle Pump Station No. 1 upgrade until sometime in the near future.

A pre-construction meeting was held on Friday, January 13, 2022, for the installation of the 6" drip field effluent force main from the Upland Farms Drip Control Building.

## **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 (SFPM) now includes the revised Section H, and the Component 4 submissions have been forwarded to Chester County's Planning Commission and Heath Department. ARRO conducted a site visit to a property which utilizes an Ecoflow unit similar to that proposed for on-site wastewater pre-treatment

at the Open Community project. Chester County Planning Commission and Heath Department returned the Open Community Components 4A, 4B and 4C. Component 3 Sections G and J were completed. The Township authorized sending the SFPM package to PADEP for review. The Authority Administrator prepared a March 14, 2018 letter to Warwick Land Development stating the Authority continues to lack sufficient information from Warwick before the Authority could agree to operate the pretreatment facility proposed for the Open Community Adaptive Reuse Development. On behalf of the Open Community Developer, on November 13, 2018 Boucher & James submitted sewer connection plans for review. ARRO is in the process of reviewing the plans and will issue comments in a separate letter. ARRO completed its review of the November 13, 2018 Boucher & James sewer connection plans and issued a November 28, 2018 comments letter to the Township. Subsequently, Boucher & James submitted to ARRO a response email on December 3, 2018 along with revised plans, last dated December 3, 2018. ARRO is reviewing the email responses and the latest revised plans. On February 25, 2019 PADEP released the WQM permit for the Open Community Adaptive Reuse Project. On March 12, 2019 the Township received a sewer permit application from the Developer. ARRO is setting up a pre-construction meeting for the Open Community Adaptive Reuse Project. On April 25, 2019 ARRO conducted a pre-construction meeting for the Open Community project. The Developer will attempt to use the existing lateral connection installed during the original Greenridge sanitary sewer installation work done in 2005. The Developer excavated a test hole at the existing Greenridge subdivision lateral connection. ARRO was informed by the Developer that elevations were taken and submitted to Boucher & James. The lateral will be used. New plans for connection to the existing lateral will be prepared and submitted to the Authority and ARRO for review. ARRO sent a September 17, 2019 email to the Developer requesting a project update for the sanitary sewer portion of the Open Community Adaptive Reuse Project. On October 15, 2019 ARRO received an email from the Developer with a project update stating bids have been awarded for the sanitary sewer portion of the Open Community Adaptive Reuse Project. Developer also indicated construction is tentatively scheduled for mid-December 2019. ARRO reviewed the latest sanitary sewer connection plan drawings, dated December 19, 2019. ARRO also reviewed some project sanitary sewer shop drawings. On January 16, 2020 ARRO submitted to the Developer comments to both items. ARRO is reviewing the latest revision to the OCARD land development plans, dated February 14, 2020, and additional shop drawings. ARRO completed reviewing the latest revision to the OCARD land development plans, dated February 14, 2020. ARRO sent an April 2, 2020 email to the Developer's engineer stating it had no further comments to the plans. By letter dated June 15, 2020 the Developer's engineer submitted final sanitary sewer system drawings. Construction of the onsite sewer piping started the week of June 15, 2020. ARRO prepared a June 19, 2020 letter accepting the final sanitary sewer design. The developer sent a July 21, 2020 email to ARRO stating they have submitted building construction permit applications for Greenridge Hall units and are awaiting permit issuance before continuing sanitary sewer installation. The email also said sanitary tanks and treatment units have been ordered. On August 19, 2020 ARRO requested the developer submit an updated project construction schedule. On September 16, 2020 ARRO again requested the developer submit an updated project construction schedule. On September 16, 2020 ARRO again requested the developer submit an updated project construction schedule. On September 17, 2020 ARRO received an email from the Developer's counsel in reply to the ARRO request for a construction schedule. Counsel wrote it would discuss the matter with the Developer and one would return a response, which has yet to be received as of 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. ARRO is in the process of preparing to apply for project H2O PA grant funding. The Authority will need to execute a resolution prepared by ARRO for the grant funding. On December 20, 2022, ARRO submitted the H2O PA grant funding application for the Meadow Creek Sewer Extension project.

Nothing new to report.

#### **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 dished did show a few areas of sag in the piping, but the sags were minor in nature and not considered to have caused the paving irregularity. 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. ARRO reviewed the October 7, 2022 televising of a portion of the Lakeridge sanitary sewer and found one lateral that might have some groundwater infiltration at the wye. ARRO requested the Township Public Works televise the wye to see if there is still infiltration.

ARRO reviewed the October 7, 2022 televising of a portion of the Lakeridge sanitary sewer and found one lateral that might have some groundwater infiltration at the wye. ARRO requested the Township Public Works teleview the wye to see if there is still infiltration. The Public Works televising is tentatively scheduled for the week of January 23, 2023.

**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. ARRO prepared the Delaware River Basin Commission (DRBC) permit renewal application, which includes the Route 100 Regional WWTP Phase III Upgrade. A \$15,176 Project Review Fee is required by DRBC. On December 2, 2022, ARRO submitted to the Delaware River Basin Commission (DRBC) the permit renewal application, which includes the Route 100 Regional WWTP Phase III Upgrade.

Delaware River Basin Commission (DRBC) sent a December 28, 2022 Notice of Applications Received that included the Route 100 Regional WWTP Phase III Upgrade permit renewal application.

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. Comments were anticipated by the end of October 2022; however, to date no comments have been received from PADEP. The Authority Administrator and ARRO had a December 8, 2022 meeting with PADEP to review and discuss PADEP comments to the draft Act 537 Plan. ARRO is preparing responses to the PADEP comments.

Draft edits and changes have been made by ARRO to the Act 537 Plan per comments received from PADEP. Edits to the Plan's text have been forwarded to the Authority Administrator for review and comment.

### **Route 100 WWTP – Phase III**

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III

project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction. ARRO responded to February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing. ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22. ARRO received a July 17, 2002 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional WWTP Phase III project. ARRO is in the process of reviewing the documents. On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings. ARRO completed review of Ebert Engineering's revised Route 100 Regional WWTP Phase III WQM Part 2 permit application with revised upgrade design drawings transmitted November 4, 2020. On December 16, 2020 ARRO transmitted comments on the documents to Ebert Engineering. ARRO completed a review of Ebert Engineering's further revised Route 100 Regional WWTP Phase III WQM permit application design documents and had no further comments to the application. On January 8, 2021 the Authority Administrator signed the permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. Keystone Engineering has started the Route 100 Regional WWTP Phase III electrical design. ARRO met a Keystone electrical engineer at the WWTP to review the existing electrical equipment. On April 21, 2021 ARRO was informed by Ebert Engineering that the Route 100 Regional WWTP Phase III electrical design will be submitted for review and comment the week of April 26, 2021. On May 11, 2021, ARRO received from Ebert Engineering the Route 100 Regional WWTP Phase III electrical design. ARRO has started a review of the design. On June 14, 2021, ARRO received the draft Phase III final design technical specifications and drawings from Ebert Engineering for review and comment. ARRO reviewed the draft Phase III final design technical specifications and drawings and on July 21, 2021 transmitted to Ebert Engineering review comments to the documents. 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 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. Construction has begun on the two SBR tanks. The subgrade was tested by the geotechnical consultant and the stone base was placed by MGK. The tank base slab was formed and reinforcing steel was installed. The tank base slab is proposed to be poured on November 18, 2022. The SBR tanks base slab was poured and the tanks' panels were set. Grouting of the tank panels is underway and tensioning of the panel cables will take place the week of December 26, 2022.

ARRO continues review of Route 100 Regional WWTP Phase III shop drawings as they are submitted.  
The two SBR tank panels were grouted and panel cables were tensioned. On January 18, 2023, the first tank was filled with water to start a 2-day tank leakage test.

### **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.

At the Authority Administrator's direction, ARRO prepared a draft letter to be sent to the four property owners who have not paid their Facilities Fee by the December 31, 2022 deadline ordering them to pay the fee or face enforcement actions specified under Chapter 141 of the Upper Uwchlan Township Code.

**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. ARRO is in the process of preparing to apply for project H2O PA grant funding. The Authority will need to execute a resolution prepared by ARRO for the grant funding. Authority counsel prepared an easement Agreement for the proposed Font Road pump station. Counsel requested preparation of a drawing showing the location of the agreed service line connection installations from the property owner's house and out-building as stated in the Agreement. ARRO is in the process of preparing the requested drawing. ARRO prepared and submitted to the Authority counsel the easement drawing showing the location of the agreed service line connection installations from the property owner's house and out-building as stated in the Agreement. The final Agreement went to the property owner and the Authority Administrator is meeting with the property owner on December 27, 2022 to get the Agreement executed. On December 20, 2022, ARRO submitted the H2O PA grant funding application for the Milford Farms Sanitary Sewer Extension project.

The Authority Administrator met the property owner on December 27, 2022 and the easement Agreement was signed. Once the Authority executes the Agreement the deed can be signed and notarized.

**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. ARRO determined that 1 EDU was required for the project. A land development plan was submitted for review on November 16, 2022. On December 1, 2022, ARRO submitted review comments to the November 16, 2022 land development plans.

Nothing new to report.

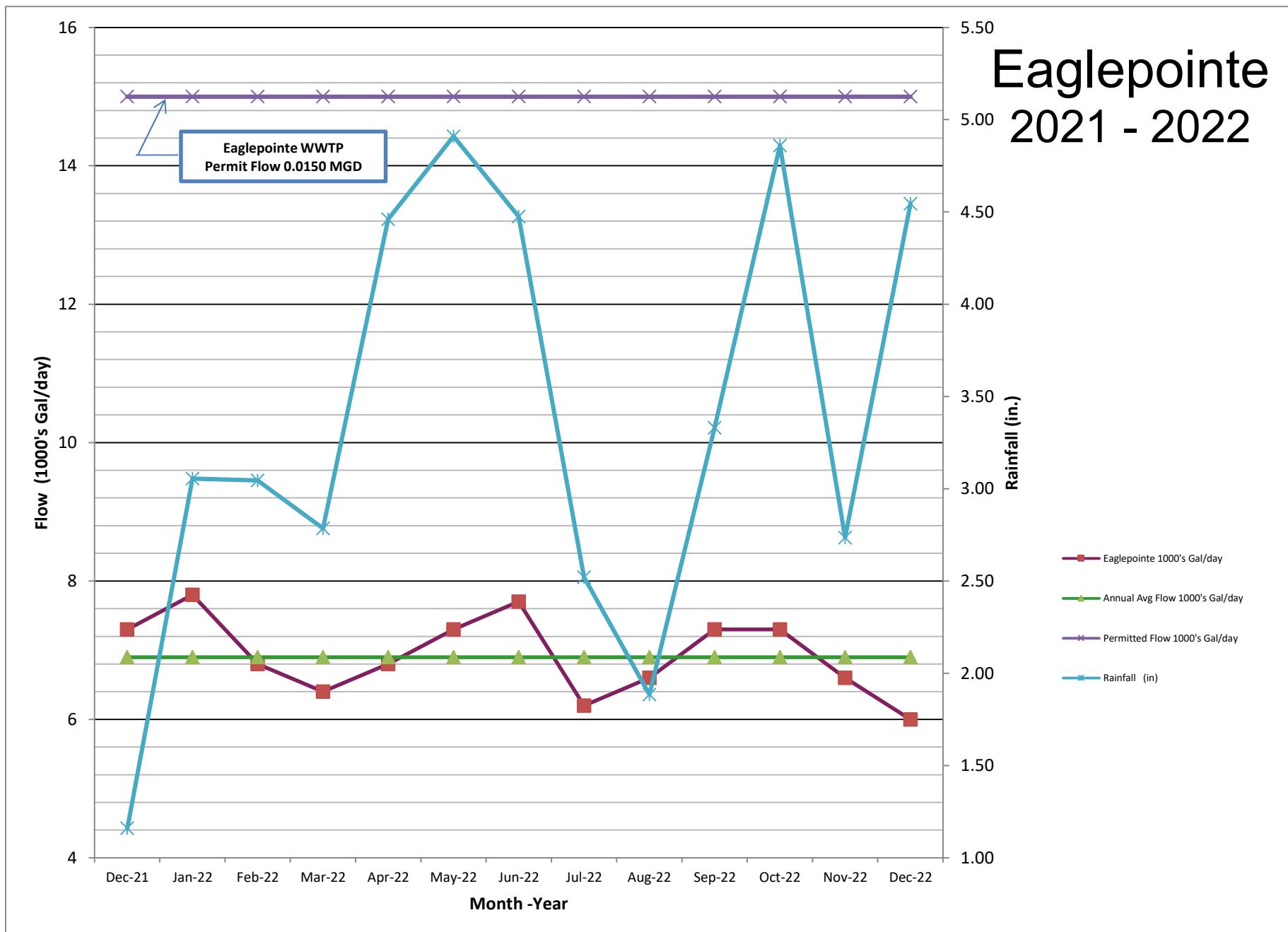
**Township Wastewater Treatment Plant's Monthly Average Flow Charts** – Please see the attached.

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

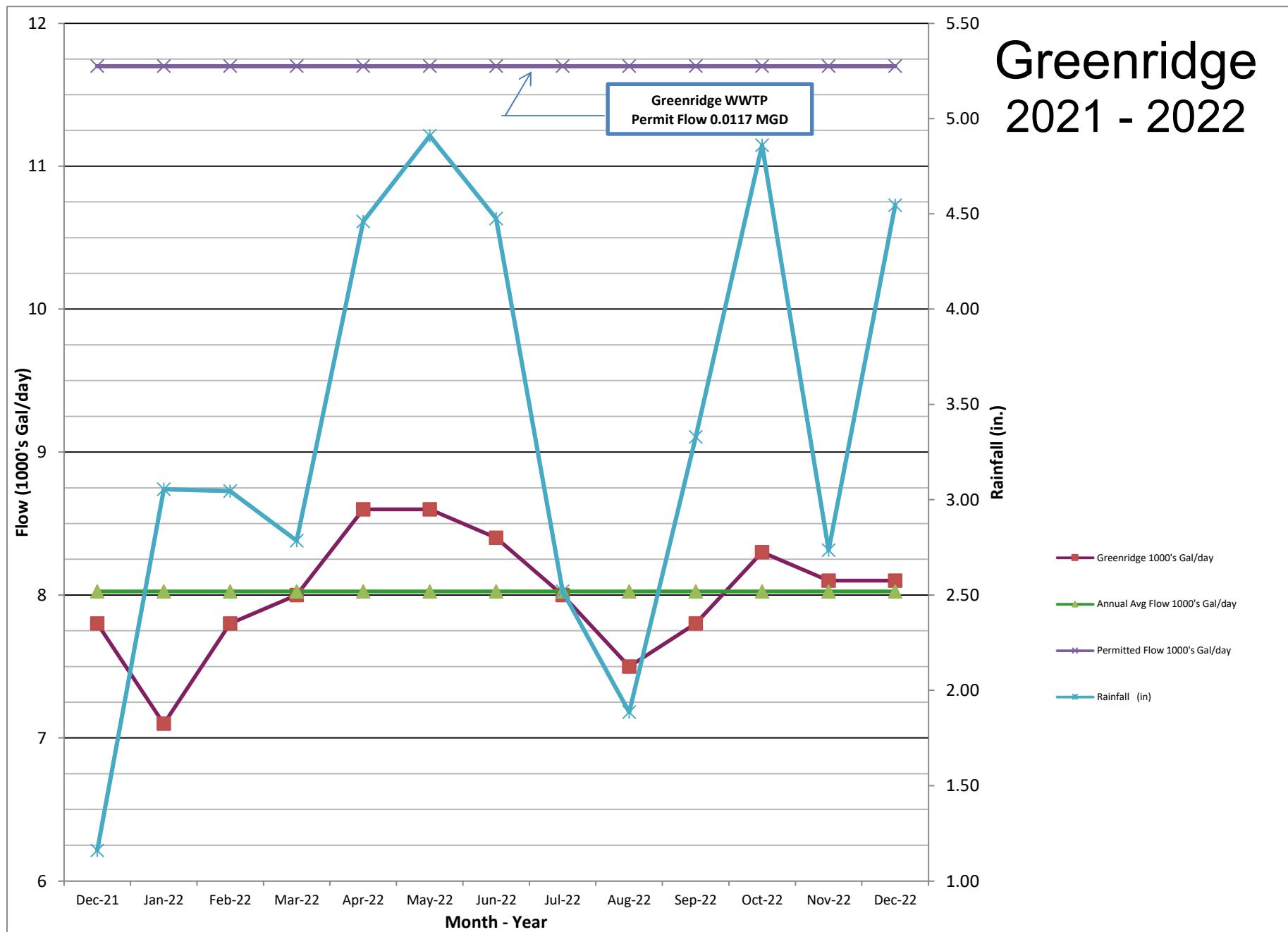
**MONTHLY AVERAGE DAILY FLOWS**

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
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
Oct-22		0.00730	0.00830	0.02400	0.03370	0.38700	0.00780	0.00210	4.86
Nov-22		0.00660	0.00810	0.02520	0.03480	0.39270	0.00780	0.00230	2.74
Dec-22		0.00600	0.00810	0.02750	0.03540	0.39050	0.00800	0.00210	4.55
<b>Annual Avg Flow =</b>		<b>0.00690</b>	<b>0.00803</b>	<b>0.02402</b>	<b>0.03514</b>	<b>0.38779</b>	<b>0.00780</b>	<b>0.00183</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>	

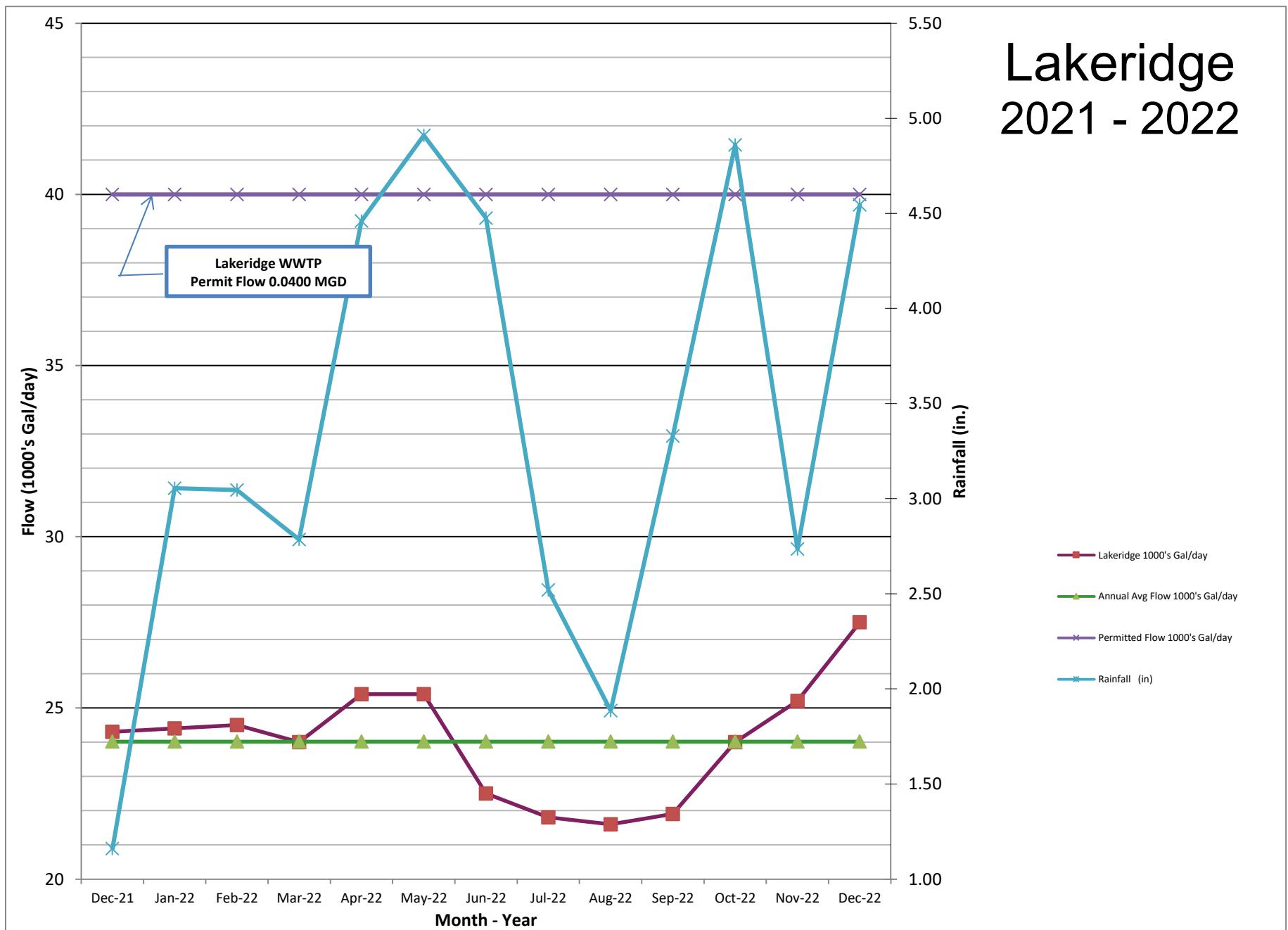
# Eaglepointe 2021 - 2022



# Greenridge 2021 - 2022

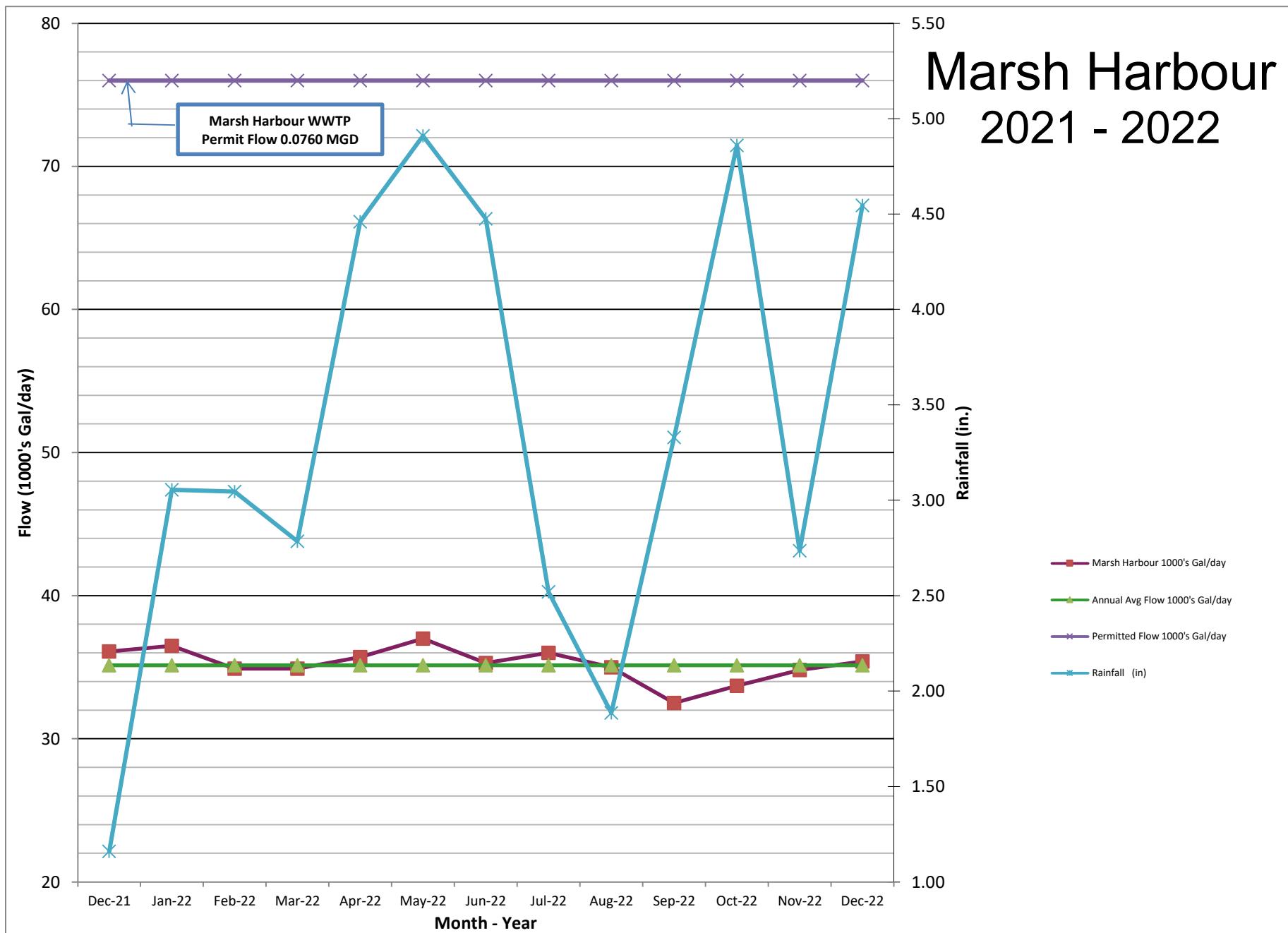


# Lakeridge 2021 - 2022

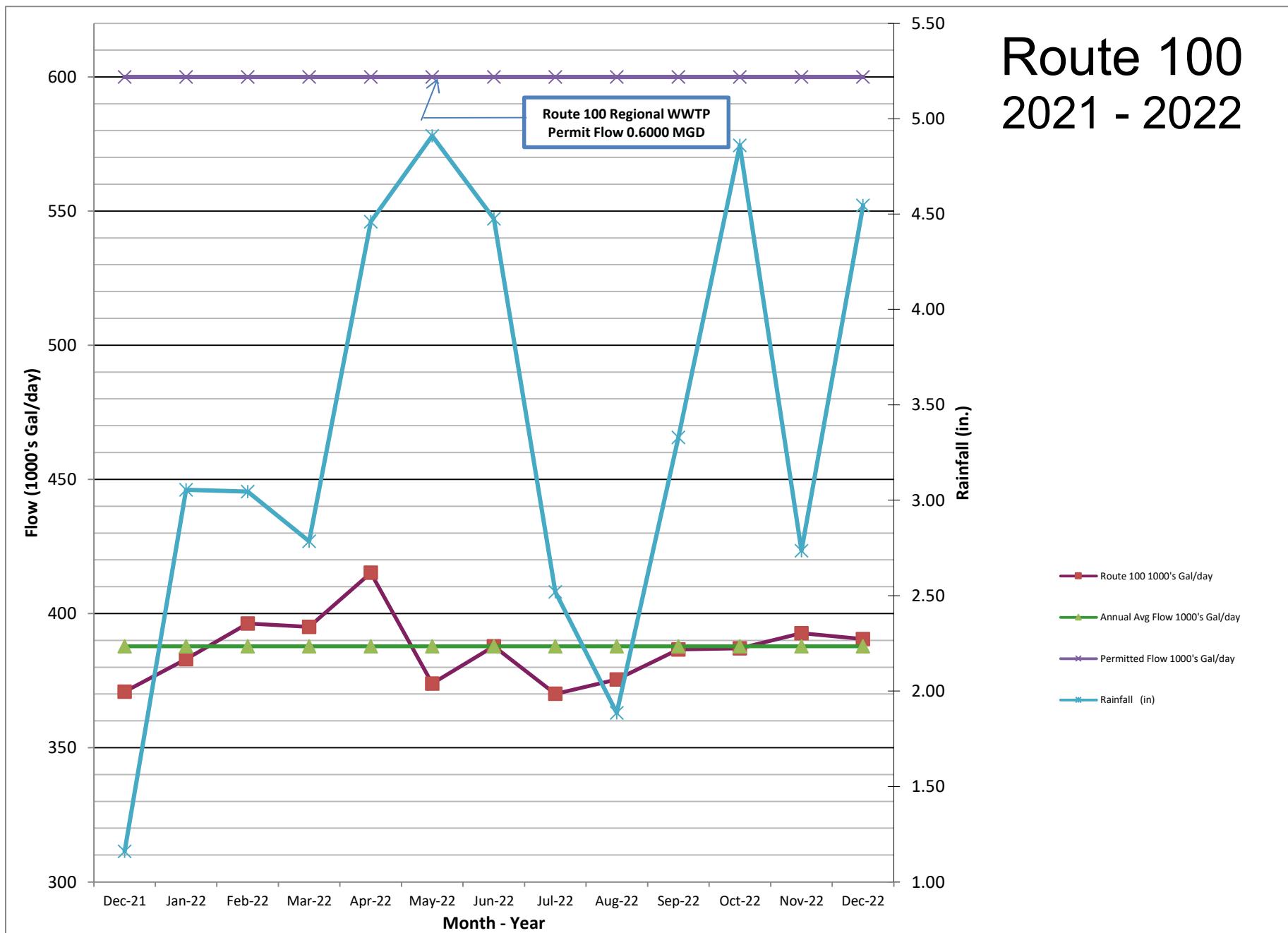


# Marsh Harbour

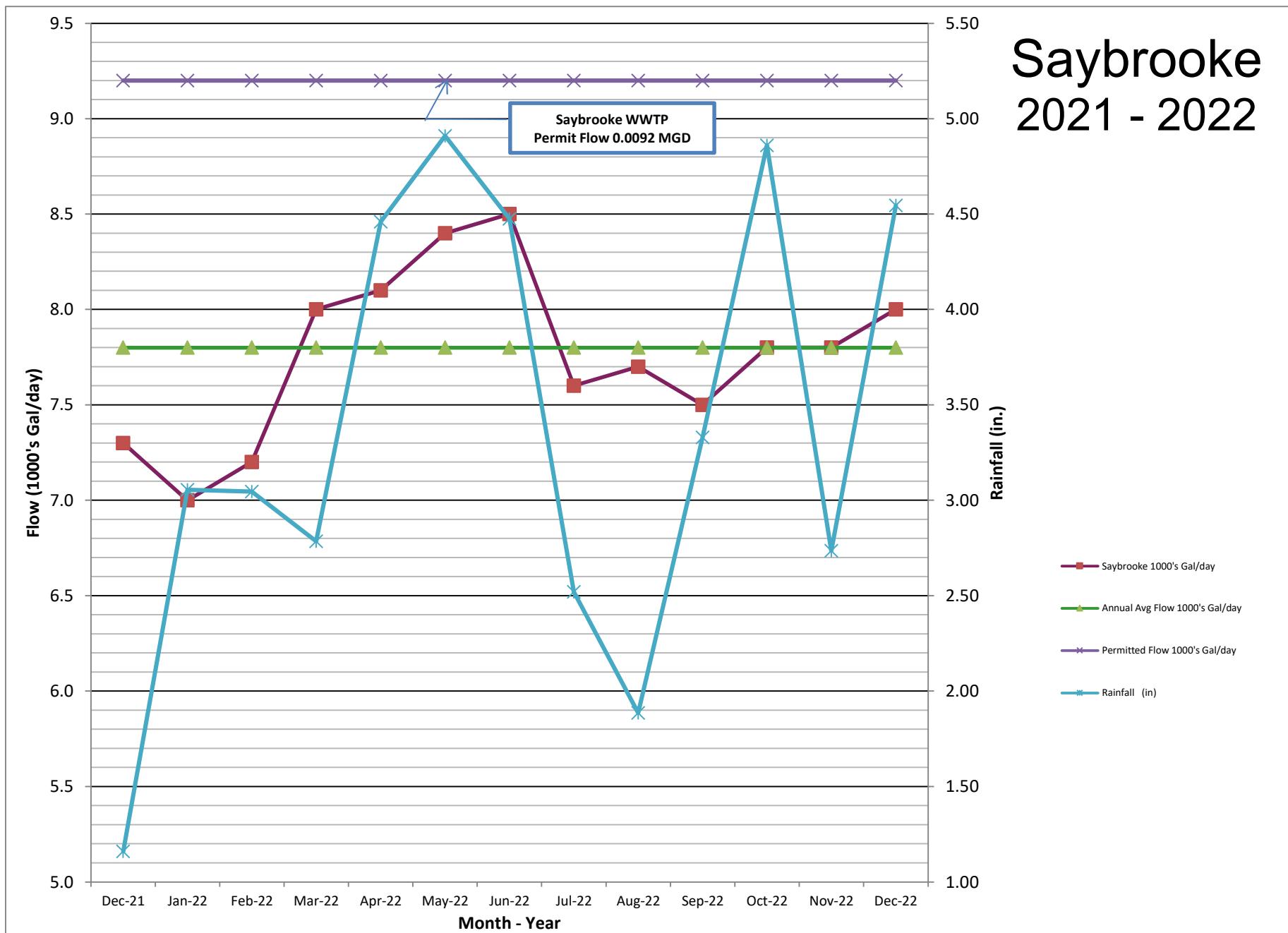
## 2021 - 2022



# Route 100 2021 - 2022

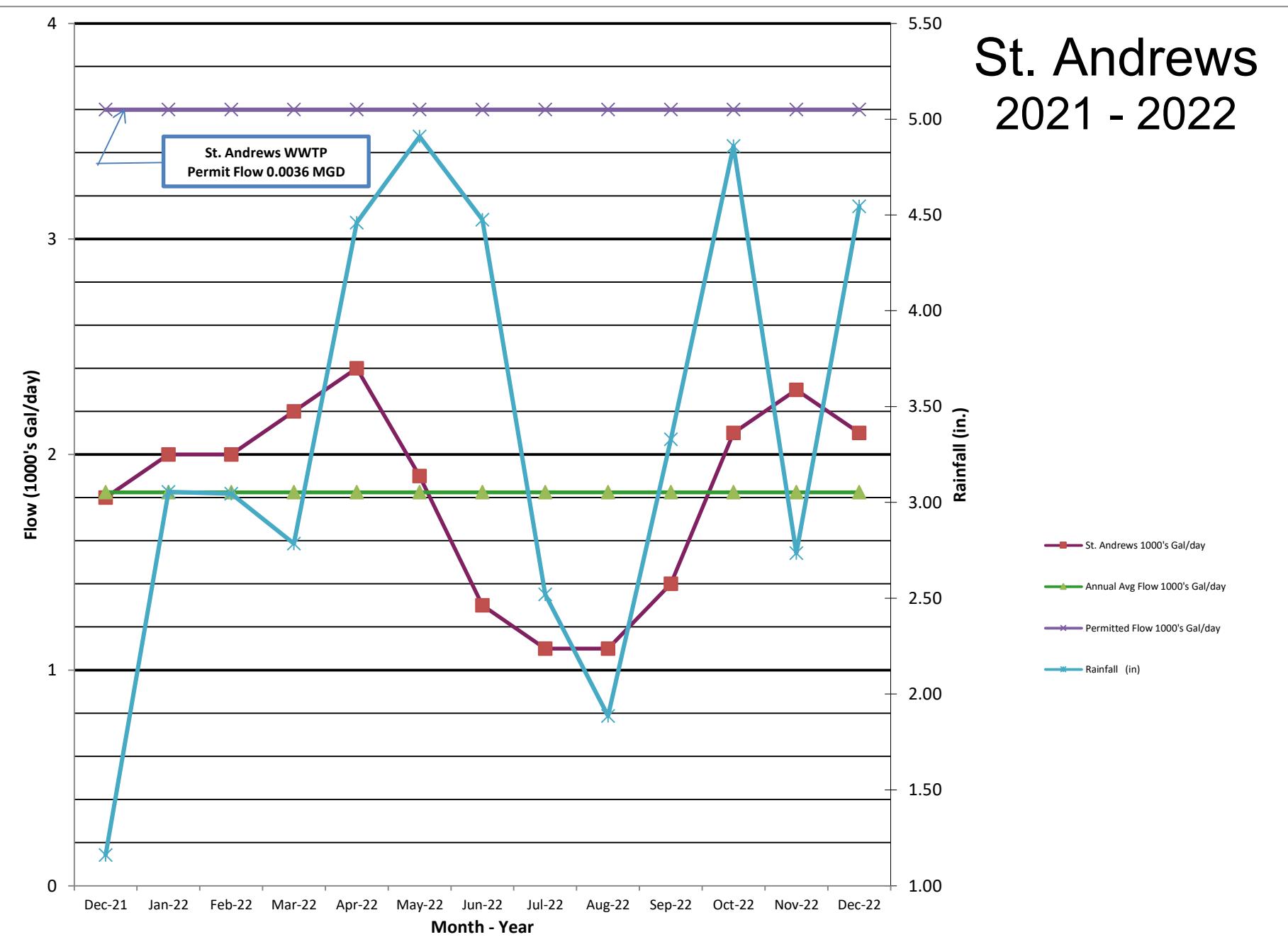


# Saybrooke 2021 - 2022



# St. Andrews

## 2021 - 2022





To: Municipal Authority Members  
From: G. Matthew Brown, P.E., DEE  
Re: Authority Administrator's Report  
Date: January 20, 2023

Activities for the month of December include:

- A. Communication with WWTF Operator, ARRO, Solicitor and Township Staff regarding operational and maintenance issues. (48.0 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Communication with McKee, ARRO and the contractor regarding the upgrade to the Route 100 WWTF and the Upland Farms disposal infrastructure. (6.0 hours)
- D. Review and revise the 2023 Capital and Operating Budgets. (1.0 hours)
- E. Communication with ARRO and the homeowner regarding the ROW needed for a new pump station on Font Road as part of the Milford Farms extension. (1.0 hours)
- F. Communication with ARRO regarding the Meadow Creek sewer extension. (2.0 hours)
- G. Communication with ARRO regarding the response to DEP regarding the draft Act 537 Plan. (6.0 hours)
- H. Communication with businesses and developers regarding sewer extension on Byers Road, Font Road and Milford Road. (2.0 hours)

Please advise if you have any questions or comments.



## DECEMBER 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.
- Heaters are on.
- 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
  - One heater in pump room needs replaced
  - Floors mopped
  - Construction is ongoing for the new tank
- Byers Station Effluent Pump Station (PS)
  - Cleaned facility
  - Swept floors
- Byers Station Influent PS
  - Cleaned facility
  - Site checked
  - Backflow preventor making loud noise – fixed.
- 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
  - Cleaned facility
- **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
  - PreDoc worked to replace and upgrade pump
- **Reserve at Eagle PS1**
  - Site checked
  - Cleaned facility

- Reserve at Eagle PS 2
  - Site checked
  - Cleaned facility
- Upland Farms PS/ Reserve at Waynebrook
  - Site checked
  - Cleaned facility
- Greenridge
  - Cleaned facility
  - Site checked
- Stonehedge
  - Site checked
  - Cleaned facility
  - Heater needs replaced
- Marsh Harbour WWTP
  - Site checked
  - Cleaned facility
  - Cleaned gutters
- Marsh Harbour PS
  - Site checked
- Meadowcreek
  - Site checked
- Eaglepointe
  - Cleaned facility
  - Site checked
- Heron Hill PS
  - Site checked
- Lakeridge WWTP
  - Cleaned facility
  - Site checked
  - Light bulbs replaced
  - Prepared for painting project
- Lakeridge Pump Station
  - Site checked
  - Cleaned facility

- **Eagle Farms Rd PS (West Vincent Township)**
  - Cleaned facility
  - Site checked
  - One heater needs replaced
- **Little Conestoga Rd PS**
  - Cleaned facility
  - Site checked
  - Cleaned gutters
- **Eagle Manor PS (Dorothy Lane)**
  - Site checked
- **Garrison Drive (spray field pump station #1)**
  - Site checked
- **Garrison Drive (spray field pump station #2)**
  - Site checked
  - Remove trash and recycle
- Construction is ongoing at Route 100 WWTP.
- Cameras at Route 100 WWTP are still down.
- UUT responded to 52 PA 1-Call tickets during the month.
- Spray fields at Marsh Harbour need hay bales removed.
- Heaters are on; 3 are in need of replacement.
- Back flow preventer replaced at Eagle Farms.
- Broken fence rails replaced around the lagoons.

Respectfully submitted,

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



**UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY**  
**CHESTER COUNTY**  
**COMMONWEALTH OF PENNSYLVANIA**

# 2023 Budget

Budget Presented – December 27, 2022  
Budget Approved – January 24, 2023

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## About the Upper Uwchlan Township Municipal Authority

### Organization

The Upper Uwchlan Township Municipal Authority (Authority) was incorporated by the Upper Uwchlan Township, Chester County, Pennsylvania in 1990 for the purpose of operating the sewage collection, treatment plants and other facilities used in the processing and disposal of sewage from Township residents and businesses. All of the capital assets are owned by Upper Uwchlan Township and are operated and maintained by the Authority under a long-term arrangement.

### Board of Directors

The Authority is governed by a five (5) member Board of Directors. Board members are appointed by the Upper Uwchlan Township Board of Supervisors to serve for five (5) year terms. Each year, the Board votes to select a new Chairman and Vice-Chairman. The current Board members and their terms of office are:

<u>Member</u>	<u>Position</u>	<u>Term Expires</u>
Louis Schack	2022 Chairman	12/31/2025
Bill Quinn	2022 Vice-Chairman	12/31/2026
Joe Samarco	Member	12/31/2023
Hal Harper	Member	12/31/2023
Robert Watts	Member	12/31/2022
Christopher E. Frantz, Esq.	Appointed Authority Solicitor	

### Management and Operations

The Authority has appointed G. Matthew Brown, P.E., D.E.E. as the Authority Administrator and has hired ARRO Consulting, Inc. as the Authority's Engineer. Clean Water, Inc. was appointed by the Authority as the Authority Operator.

The Authority has an administration agreement with Upper Uwchlan Township under which the Township employees perform many functions for the Authority and the Authority reimburses the Township for the cost of the services provided. These include: oversight, providing financial services (paying Authority bills, preparing monthly reports for Authority meetings, etc.), treasury functions, collection of sewer receipts, providing services to residents, maintenance of facilities (grass cutting, etc.) and any other services needed.

The Authority has no employees.

## Executive Summary

Upper Uwchlan Township (Township) has eight (8) public wastewater systems located throughout the Township to collect and treat sewage generated by homes and businesses residing within each system service area. The Township also has a large number of homes and businesses that have private on-lot disposal systems consisting of septic tanks and drain fields, some of which are failing. This is especially critical as the Township lies within two (2) high quality watersheds; Marsh Creek (which lies within the East Branch of Brandywine Creek watershed) and Pickering Creek; which both ultimately drain to the Chesapeake Bay. Due to the initiatives outlined by the United States Environmental Protection Agency (US EPA) to protect the Delaware and Chesapeake Bays from nutrient overload, these high-quality watersheds must be protected, specifically from higher levels of nitrogen and phosphorous compounds commonly found in wastewater. Failing or malfunctioning on-lot disposal systems have an adverse impact on the watersheds.

A review of the soils within the Township boundary using the Natural Resources Conservation Service Web Soil Survey indicates that over half of the soils in the Township have very limited suitability for septic tank absorption fields. The soil properties considered are those that affect absorption of the effluent, construction and maintenance of the system and public health. Very limited suitability indicates that the soil has one or more features that are unfavorable for septic tank absorption fields. Knowing this, the Township strives to connect residences and businesses to one (1) of the eight (8) public wastewater systems whenever possible.

Another complication that results from the high-quality watersheds that surround the Township is the method used to dispose of treated effluent. Of the eight (8) wastewater treatment plants (WWTP) in the Township, only two (2) are permitted by the Pennsylvania Department of Environmental Protection (PA DEP) to discharge treated wastewater directly to a stream (which is the conventional method of wastewater disposal in PA). The remaining six (6) WWTPs utilize land application of treated effluent for disposal. Land application must be used because obtaining a direct discharge permit is becoming increasingly difficult as the PA DEP continues to make the treatment requirements more and more stringent to comply with the USA EPA Chesapeake Bay program requirements. This becomes even more complicated when the stream that is being discharged to is high quality. The level of treatment that would be required to meet these standards is so high that it would not be cost effective to the Township or its residents to construct and operate the wastewater systems this way. Therefore, land application is used in lieu of direct discharge of disposal of treated wastewater.

The capital assets of the wastewater system are owned by the Township but are operated and maintained by the Township Municipal Authority (Authority). More detailed information on each of the eight (8) wastewater facilities, what has been achieved in the past year, and the goals for the future can be found below.

## 2022 Accomplishments and Our Goals for 2023

### What was accomplished in 2022

In 2022, the Authority's quarterly sewer rates were not increased and remained at **\$190** per quarter. The COVID-19 pandemic impacted some project schedules.

The Township's Act 537 Plan update was submitted to the Pennsylvania Department of Environmental Protection for review. This Plan addresses the requirements necessary to meet future public sanitary sewer service needs of the Township for those areas of the Township that are not currently served by the Route 100 Regional Wastewater Treatment Plant nor the existing satellite wastewater treatment plants.

#### Route 100 Wastewater Treatment System

- Prepared and submitted Delaware River Basin commission docket renewal application for the upgrade
- Construction of phase 3 Upgrade has been initiated

Byers Road Sanitary Sewer Extension Project was completed.

Lakeridge Wastewater System – Televised a portion of the sanitary sewer within easements outside of the road Rights of Way.

Greenridge Wastewater System – Prepared and submitted the Water Quality Management Part II Permit renewal application for the facility.

Byers Regional Pump Station – Completed repairs to the bypass connection.

Eaglepointe Wastewater Treatment System - Prepared and completed NPDES permit renewal application for the facility.

### What is planned for 2023

In 2019 the Authority secured funding in the amount of \$5.105 million for projects that are scheduled to take place in 2023 or later. These projects are as follows:

- \$2.5 million for the Route 100 WWTP Phase III upgrade
  - As discussed in the Route 100 Regional Wastewater Treatment Facility Detailed Description, the McKee/Fetter's property development is going to exceed the Phase II capacity of the Route 100 WWTP. The developer is going to design and construct Phase III of the WWTP, and the Township will purchase excess capacity that results from the upgrade that the developer does not utilize for the McKee/Fetter's property. This excess capacity will be used for connecting new or existing homes within the Authority's service area to the Route 100 WWTP.
- \$520,000 for Eaglepointe WWTP Conversion
  - The upgrade to the Route 100 Regional Plant provides the opportunity to decommission the Eaglepointe WWTP and convert it to a pretreatment/pumping facility. With the conversion, the plant will no longer discharge to the adjacent stream, but rather have the flow conveyed to the Regional Plant. Treatment activities that would remain functioning at Eaglepointe would include equalization, aeration, sludge management, and a pump station. A new forcemain would be installed to connect the Eaglepointe Pump Station to a recently installed manhole near the intersection of Byers Road and Route 100.
- Remaining funds will be used for the Milford Farms collection system expansion
  - Milford Farms is known as an area with a large number of failing septic systems. As part of the Chester County Health Department's review of the Jankowski Tract planning documents, they commented that "because there have been several malfunctions along Surrey Lane, Font Road and Carriage Drive, the area would benefit from public sewerage." This, in addition to the presence of residents at the Authority meetings toward the end of the 2018 calendar year, is the impetus behind the design of a collection system in this area. This project is expected to commence in 2023.

**Wastewater Treatment Facilities – At a Glance**

Facility Name	Location	Daily Capacity (gallons)	Disposal Methods	Date Placed in Service	Number of businesses or residences served
Eaglepointe	South of Ticonderoga Blvd, adjacent to the PA Turnpike	15,000	Effluent is directly discharged to a tributary of Marsh Creek	2003	30 businesses located west of Route 100 and Little Conestoga Road
Greenridge	Southwest of the intersection of Greenridge Rd and Dan Dr	15,125	Effluent is discharged to one disposal field for drip irrigation	2005	61 homes in Greenridge & Stonehedge developments
Lakeridge	North of Dorlan Mill Rd and to the east of Moore Rd	40,000	Effluent is discharged to a series of five (5) sand mounds and one (1) subsurface absorption bed	1983	148 homes in Lakeridge, Hunter's Ridge and Ivystone developments
Marsh Harbour	Between Mallard Ln and Carpenter's Cove Ln	82,000	Effluent is discharged to two disposal fields for spray irrigation	1990	All homes in Marsh Harbour and Heron Hill developments
Meadow Creek	Southeast corner of Styer Rd and Meadow Creek Ln	1,300	Effluent is discharged to one subsurface absorption bed	1990	5 homes in Meadow Creek development
Route 100 Regional *	East of Route 100 along the north side of Fellowship Rd	800,000	Effluent is discharged to 19 disposal fields for spray and drip irrigation	2004	All homes in Byers Station, Reserve at Eagle, Reserve at Waynebrook, Windsor Ridge, Eagle Manor, Heather Hill, Ewing Tract, Townes of Chester Springs, Reserve at Chester Springs, Chester Springs Crossing, Villages of Chester Springs, Eagle Hunt, and Windsor Place, Enclave at Chester Springs, Preserve at Marsh Creek
Saybrooke	Southwest side of Yarmouth Ln	9,200	Effluent is discharged to a series of four (4) subsurface absorption beds	1999	41 homes in Saybrooke development
St. Andrews Brae	North side of Kiloran and Bryan Wynds southern intersection	3,600	Effluent is directly discharged to a tributary of Marsh Creek	2003	13 homes in St. Andrews Brae development

\*The Route 100 Regional WWTP will have an ultimate treatment capacity of 800,000 gallons. Phase I of the WWTP (placed in service in 2004) had a capacity of 200,000 gallons, Phase II of the WWTP (placed in service in 2015) has a capacity of 600,000. Phase III of the WWTP is anticipated to be placed into service in 2023.

## BASIS OF ACCOUNTING AND BUDGETING

### Accounting Basis

The Authority uses the accrual basis of accounting. Under this basis, revenues are recorded when earned and expenses are recorded when incurred, even though actual payment or receipt may not occur until after the period ends.

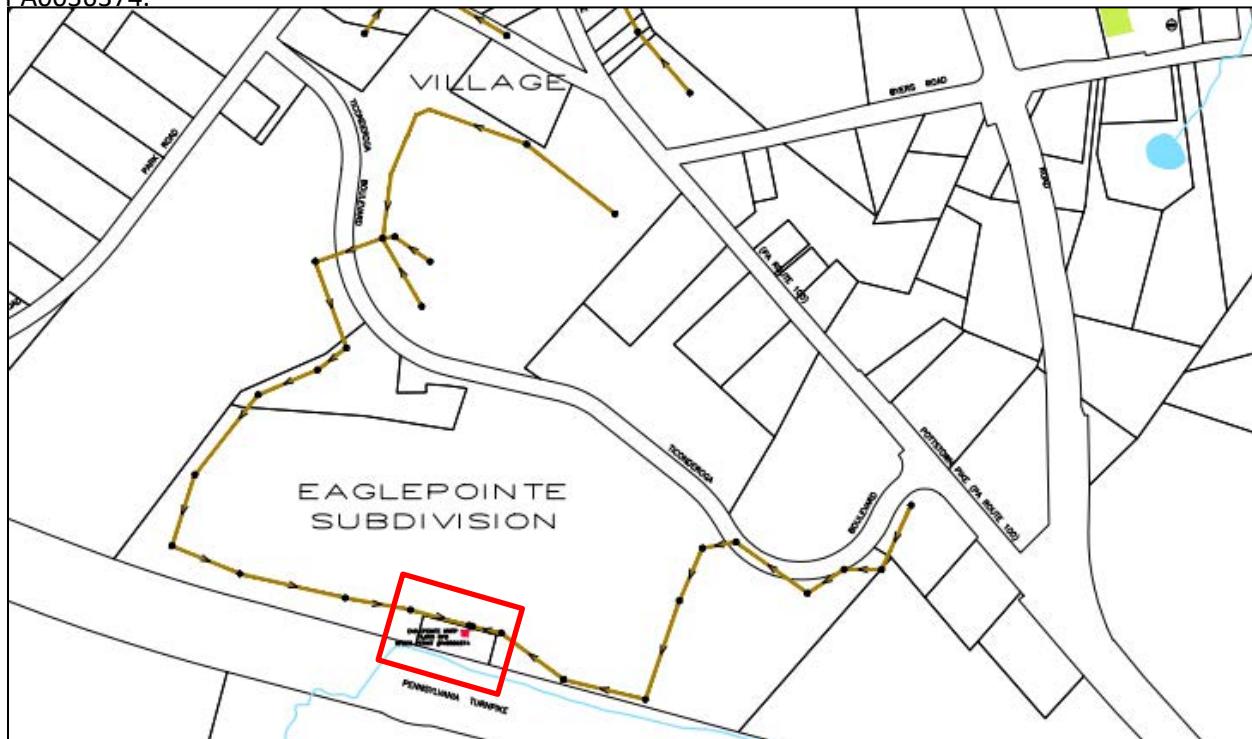
### Basis of Budgeting

The Authority's budget has been prepared using the modified accrual method of accounting. Modified accrual accounting recognizes revenues when they become measurable and available. **Measurable** means that the dollar amount of the transaction is known. **Available** means that it is collectible within the current period or soon enough after the end of the current period to pay liabilities of the current period. For this purpose, the Township considers revenues to be available if they are collected within 30 days of the reporting period. Expenditures are generally recorded when a liability is incurred.

## Wastewater Treatment Facilities – Detailed Description

### Eaglepointe Wastewater System

The Eaglepointe Wastewater System consists of the Eaglepointe WWTP, rated for 15,000 gallons per day (gpd), which collects sewage from commercial properties along Ticonderoga Boulevard. The treatment process consists of an equalization tank, an aeration tank, a clarifier, sand filters and a chemical contact tank. Following treatment, effluent is discharged directly into a tributary of Marsh Creek under the PA DEP National Pollutant Discharge Elimination System (NPDES), Permit No. PA0036374.



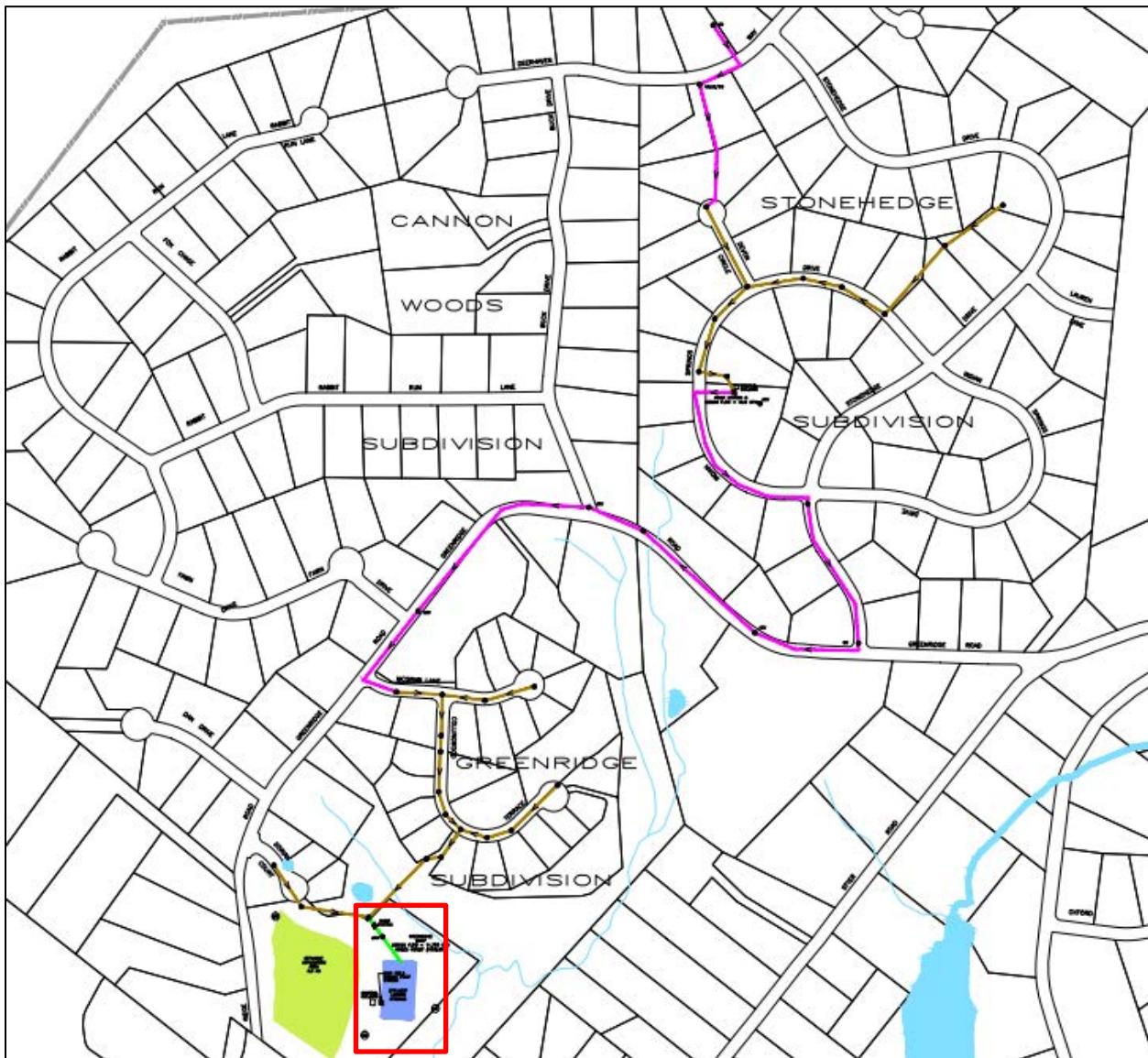
**Eaglepointe Wastewater System Map**

NOTE: For additional detail see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

### Greenridge Wastewater System

The Greenridge Wastewater System consists of the Stonehedge conveyance pump station and the Greenridge WWTP, rated for 15,125 gpd, which collect sewage from residential customers within the Greenridge and Stonehedge developments. The Stonehedge conveyance pump station collects sewage from a small portion of the Stonehedge development and conveys it to the Greenridge WWTP while sewage from the Greenridge development flows via gravity to the WWTP. The wastewater from both developments is received by an influent pump station on the WWTP property, which conveys the sewage to a dual-sectioned treatment lagoon. Following treatment, the wastewater flows through sand filters prior to disposal via drip irrigation within the field located behind the WWTP. This is done under PA DEP Water Quality Management (WQM) Permit No. 1502403.



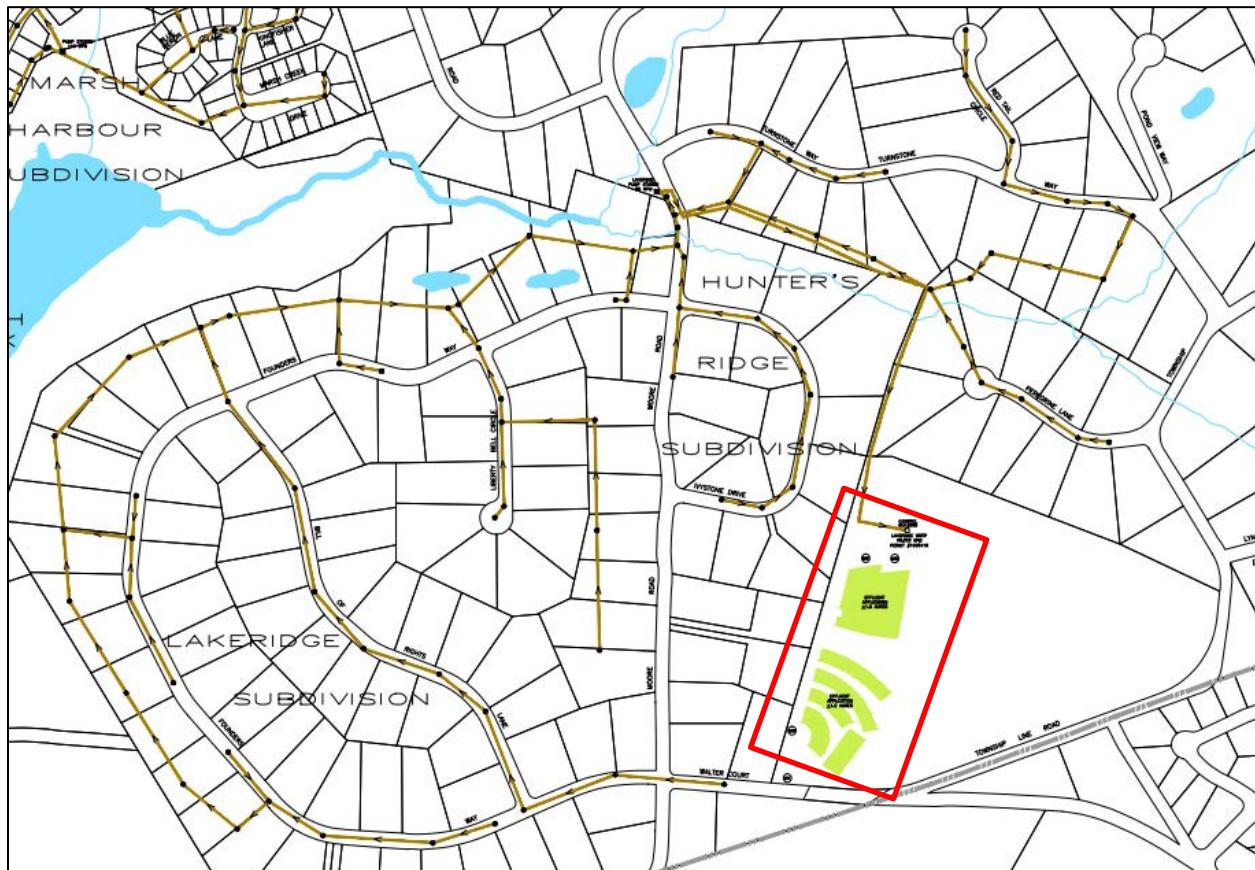
**Greenridge Wastewater System Map**

NOTE: For additional detail, see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

#### Lakeridge Wastewater System

The Lakeridge Wastewater System consists of the Lakeridge conveyance pump station and the Lakeridge WWTP, rated for 42,000 gpd, which collects sewage from residential customers in the Lakeridge, Hunter's Ridge, and Ivystone developments. The Lakeridge conveyance pump station collects sewage from the developments and conveys it to the WWTP. The treatment process consists of a sequencing batch reactor (SBR), holding tank, and sand filter prior to disposal through one (1) of five (5) sand mounds, then to a subsurface absorption bed for final disposal. This is done under PA DEP WQM Permit No. 1590416.



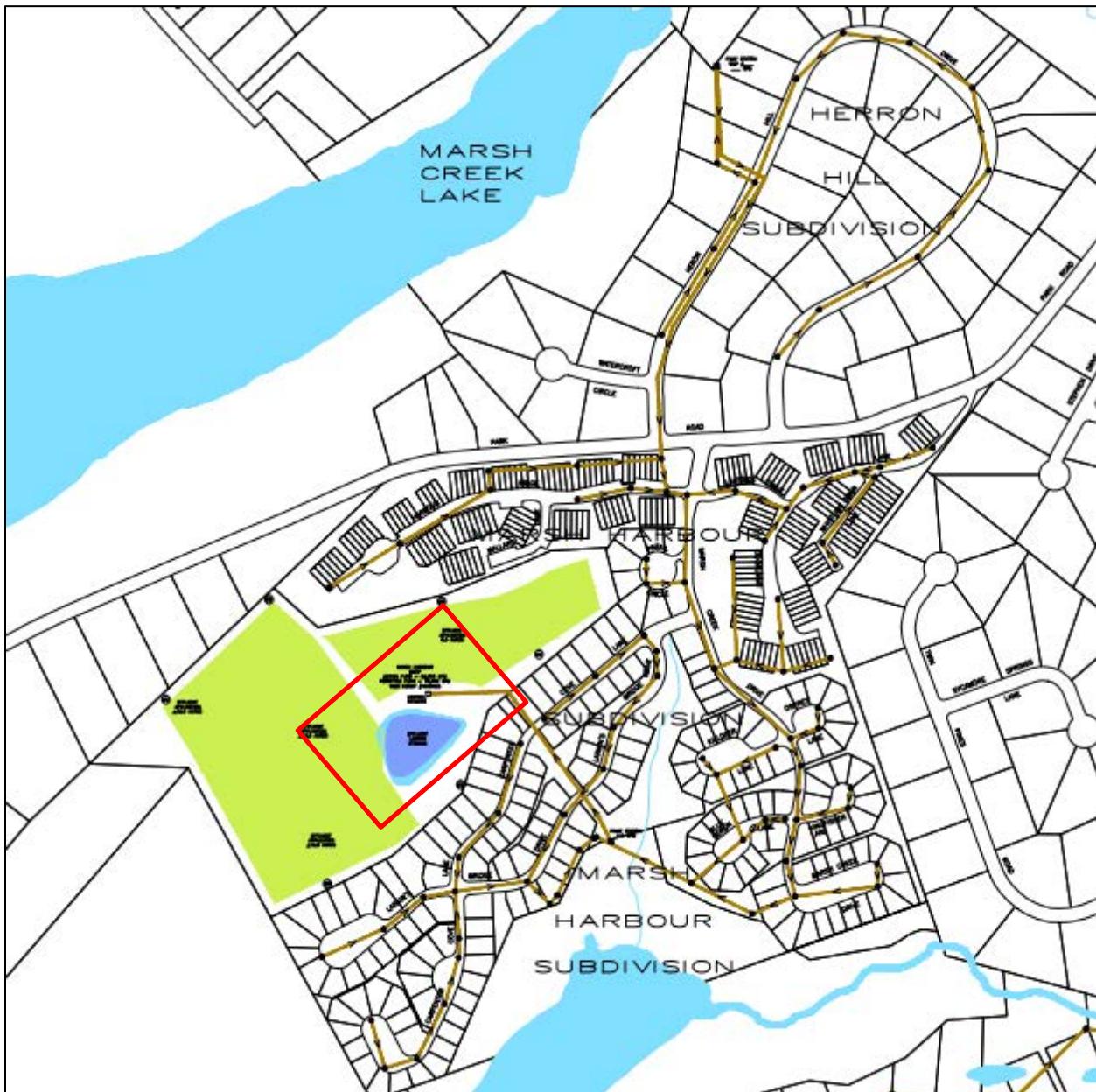
**Lakeridge Wastewater System Map**

NOTE: For additional detail, see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

#### **Marsh Harbour Wastewater System**

The Marsh Harbour Wastewater System consists of the Herron Hill conveyance pump station, the Marsh Harbour conveyance pump station and the Marsh Harbour WWTP, rated for 82,000 gpd which collects sewage from residential customers within the Marsh Harbour and Herron Hill developments. The Herron Hill pump station collects sewage from homes within the Herron Hill development and pumps it to the Marsh Harbour development collection system. Wastewater from both the Herron Hill and Marsh Harbour developments is collected by the Marsh Harbour pump station and conveyed to the Marsh Harbour WWTP. The treatment process consists of a bar screen, SBR and a storage lagoon prior to discharge via spray irrigation on one (1) of two (2) fields located behind the WWTP. This is done under PA DEP WQM Permit No. 1598425.



**Marsh Harbour Wastewater System Map**

NOTE: For additional detail, see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

#### **Meadow Creek Wastewater System**

The Meadow Creek Wastewater System consists of the Meadow Creek WWTP, rated for 1,300 gpd, collects sewage from five (5) residential customers in the Meadow Creek development. The treatment process consists of an equalization tank prior to discharge through a seepage field located at the corner of Meadow Creek Lane and Styer Road. As the Meadow Creek WWTP is only a seepage field, it is not permitted through PA DEP.



## Meadow Creek Wastewater System Map

NOTE: For additional detail, see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

## **Route 100 Regional Wastewater System**

The Route 100 Regional Wastewater System consists of eight (8) conveyance pump stations, the Route 100 Regional WWTP rated for 600,000 gpd and seven (7) effluent disposal systems. This wastewater system was designed to be upgraded in phases, which are further discussed below. The Byers Station, Eagle Manor, Ewing, Ewing West Vincent, Little Conestoga, Reserve at Eagle 1, Reserve at Eagle 2, and Windsor Ridge conveyance pump stations collect wastewater from residential customers throughout numerous developments and convey it to the WWTP for treatment (discussed in additional detail below). Following treatment, the effluent is distributed to the Reserve at Eagle, Eagle Hunt, Reserve at Waynebrooke, Windsor Ridge, Byers Station, Upland Farms or Ewing Tract effluent disposal system for storage, filtration, and disposal via spray or drip irrigation. This is completed under PA DEP WQMP Permit No. 1086294.

Route 100 Regional WWTP Phase I:

Phase I had a capacity of 200,000 gpd and commenced operation in 2004. This phase provided wastewater service to residential customers in the Byers Station (including the Ewing Tract), Eagle Hunt, Reserve at Eagle, Reserve at Waynebrook and Windsor Ridge developments. Phase I treatment was completed via a secondary treatment aerated lagoon.

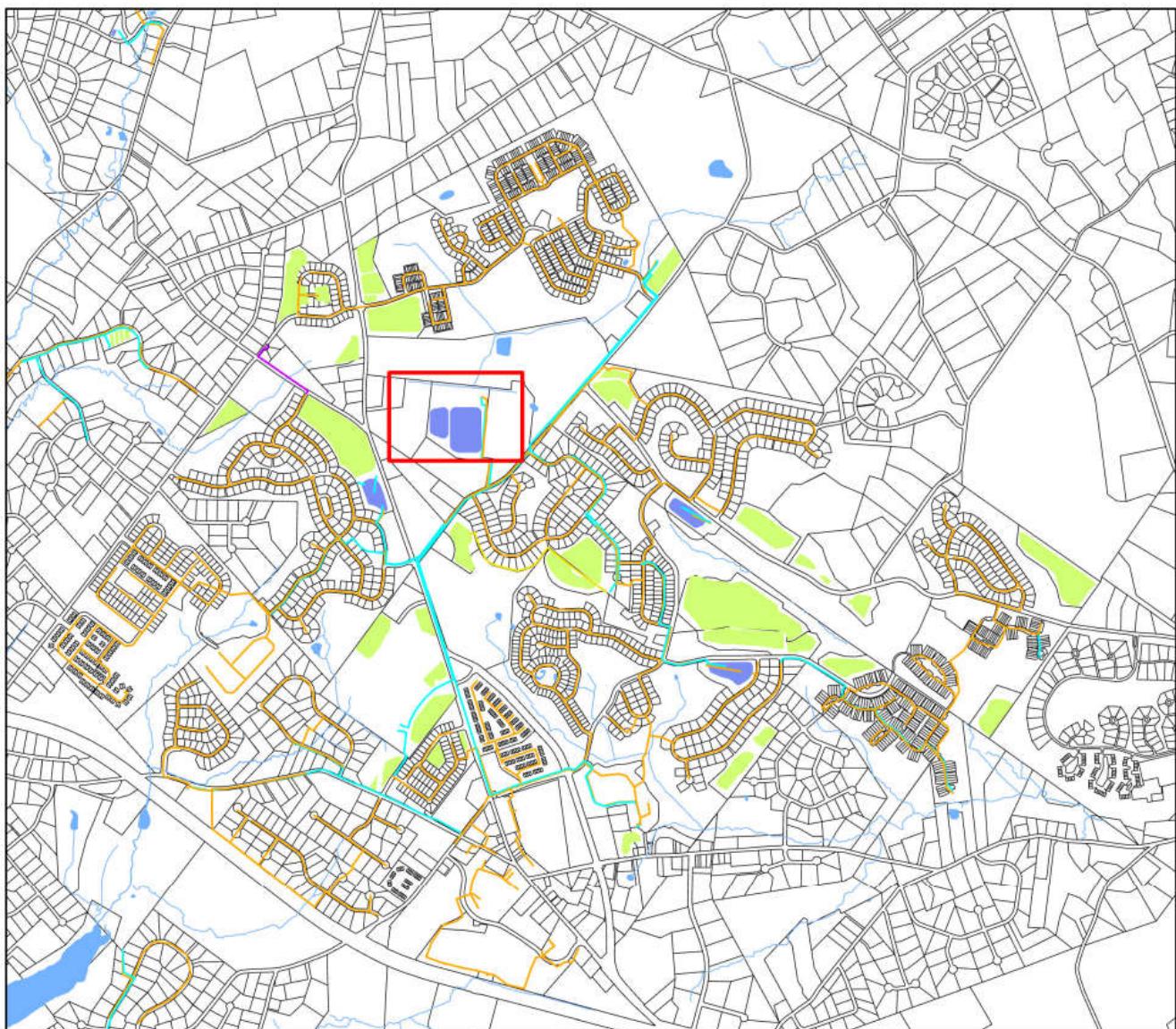
Route 100 Regional WWTP Phase II:

Phase II added an additional 400,000 gpd of capacity for a total of 600,000 gpd and commenced operation in 2015. This phase has already provided public sewer to the Eagle Manor, Windsor Place,

and Heather Hill developments, and there are plans for additional connections in upcoming years. The Phase II expansion of the WWTP included the addition of two (2) SBRs to allow for a higher level of treatment, specifically nitrogen reduction. Generally, two-thirds of the incoming wastewater is treated by the SBRs and the remaining third is treated by the secondary treatment aerated lagoon constructed in Phase I.

**Route 100 Regional WWTP Phase III:**

Phase III is currently undergoing design and permitting due to a new development that has been approved in the Township, the McKee/Fetters Property. This property will exceed the Phase II capacity of the WWTP, so the developer is going to construct Phase III. This phase will add two (2) additional SBRs to the WWTP, allowing for 800,000 gpd of treatment capacity in the SBRs.



**Route 100 Regional Wastewater System Map**

NOTE: Green areas denote disposal fields, Red Box indicates WWTP  
For additional detail, see Township Sewer Atlas in Township Office

### **Saybrooke Wastewater System**

The Saybrooke Wastewater System consists of the Seabury, Saybrooke 1, and Saybrooke 2 conveyance pump stations and the Saybrooke WWTP, rated for 9,200 gpd, which collect sewage from residential customers within the Saybrooke development. The Seabury pump station collects sewage from five (5) homes along Seabury Lane and pumps it to the Saybrooke 2 pump station. The Saybrooke 2 pump station conveys sewage collected from residences on the western part of Yarmouth Lane and Seabury to the WWTP, while the Saybrooke 1 pump station collects and conveys sewage collected from residences on the eastern part of Yarmouth Lane. The treatment process consists of an SBR followed by sand filtration and an ultraviolet disinfection system. Following treatment, treated effluent is discharged to one (1) of four (4) subsurface absorption beds located adjacent to the WTWP property under PA DEP WQM Permit No. 1593413.



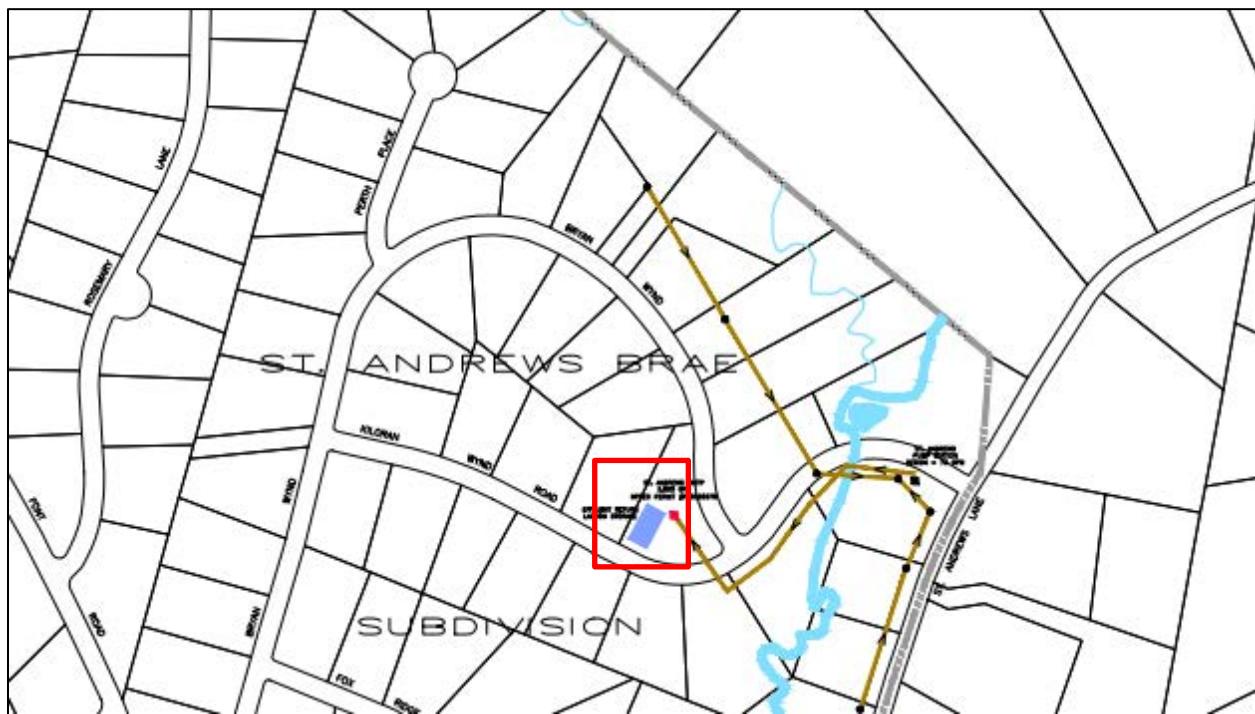
**Saybrooke Wastewater System Map**

NOTE: For additional detail, see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

### **St. Andrews Brae Wastewater System**

The St. Andrews Brae Wastewater System consists of the St. Andrews Brae conveyance pump station and the St. Andrews Brae WWTP, rated for 3,600 gpd, which collect sewage from residential customers within the St. Andrews Brae development. The treatment process consists of an equalization tank, an aeration tank, a clarifier, disinfection, sand filtration, and dechlorination. Following treatment, treated effluent is discharged directly into Black Horse Creek under PA DEP NPDES Permit No. PA0058378.



**St. Andrews Brae Wastewater System Map**

NOTE: For additional detail, see Township Sewer Atlas in Township office

NOTE: Red rectangle indicates WWTP

**Upper Uwchlan Municipal Authority**  
**2023 BUDGET and FIVE YEAR PROJECTION**

	2020 Actual (audited)	2021 Actual (audited)	YTD 2022 (thru 10/31)	2022 Budget	\$ Over Budget	% of Budget	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget
<b>Income</b>											
<b>300 Revenues</b>											
06-340-000-000 Interest Income	36,969	4,581	1,975	1,000	975	98%	2,500	2,500	2,500	2,500	2,500
06-365-000-000 Usage Fees - Residential	2,276,187	2,368,526	1,997,719	2,375,580	(377,861)	-16%	2,450,000	2,500,000	2,575,000	2,625,000	2,700,000
06-365-000-001 Usage Fees - Commercial	97,168	96,223	78,180	100,000	(21,820)	-22%	100,000	100,000	100,000	120,000	120,000
06-365-000-010 Connection Fees	51,571	301,828	20,000	1,347,500	(1,327,500)	-99%	350,000	500,000	600,000	700,000	750,000
06-365-000-020 Connection Fees - Byers Road	-	-	45,043	-	45,043	#DIV/0!	80,000	-	-	-	-
06-354-000-020 Grant Revenue	11,471	11,630	2,324	525,000	(522,676)	-100%	525,000	-	-	-	-
06-370-000-000 Misc Revenue	-	-	-	1,000	(1,000)	-100%	1,000	1,000	1,000	1,000	1,000
06-393-000-100 Proceeds from Long Term Debt	-	-	-	-	-	0%	-	-	-	-	-
06-395-000-000 Refund of Prior Year Expenditures	-	-	-	-	-	0%	-	-	-	-	-
06-395-000-100 Transfer from Sewer Fund	-	-	-	-	-	0%	-	-	-	-	-
<b>Total Income</b>	<b>2,473,366</b>	<b>2,782,788</b>	<b>2,145,241</b>	<b>4,350,080</b>	<b>(2,204,839)</b>	<b>#DIV/0!</b>	<b>3,508,500</b>	<b>3,103,500</b>	<b>3,278,500</b>	<b>3,448,500</b>	<b>3,573,500</b>
<b>Expense</b>											
<b>General</b>											
06-400-000-001 Administration	245,253	273,411	277,047	275,000	2,047	1%	270,688	281,516	292,776	304,487	316,667
06-400-000-002 Authority Administrator	124,394	122,802	54,477	120,000	(65,523)	-55%	10,000	10,400	10,816	11,249	11,699
06-400-000-004 Authority Administrator - MB	-	-	37,045	-	37,045	#DIV/0!	110,000	110,000	110,000	110,000	110,000
06-400-000-003 Professional Fees	-	-	-	5,000	(5,000)	-100%	5,000	5,200	5,408	5,624	5,849
06-400-000-200 Admin Supplies	299	520	253	1,000	(747)	-75%	1,000	1,040	1,082	1,125	1,170
06-400-000-341 Advertising	2,928	155	155	3,000	(2,845)	-95%	3,000	3,120	3,245	3,375	3,510
06-400-000-352 Insurance - Liability	4,112	5,158	4,891	4,891	-	0%	5,979	6,218	6,467	6,726	6,995
06-400-000-355 Bank Fees	97	127	143	250	(107)	-43%	1,000	1,040	1,082	1,125	1,170
06-402-000-450 Audit Fees	5,800	6,050	6,400	7,500	(1,100)	-15%	7,500	7,800	8,112	8,436	8,774
06-404-000-000 Legal Fees	5,460	14,487	15,693	25,000	(9,307)	-37%	25,000	26,000	27,040	28,122	29,246
06-406-000-100 Utility Billing Costs	6,864	4,414	4,570	13,000	(8,430)	-65%	10,000	10,400	10,816	11,249	11,699
06-406-000-200 Utility Billing Postage	5,744	3,109	5,357	-	5,357	#DIV/0!	5,500	5,720	5,949	6,187	6,434
06-408-000-000 Engineering Fees	410,263	359,406	78,094	150,000	(71,906)	-48%	100,000	104,000	108,160	112,486	116,986
<b>Total General Expenses</b>	<b>811,214</b>	<b>789,639</b>	<b>484,125</b>	<b>604,641</b>	<b>(120,516)</b>	<b>-20%</b>	<b>554,667</b>	<b>572,454</b>	<b>590,952</b>	<b>610,190</b>	<b>630,197</b>
<b>Building Expenses</b>											
06-409-000-031 Lawn Care	-	-	-	5,000	(5,000)	-100%	5,000	5,200	5,408	5,624	5,849
06-409-000-032 Telephone	15,305	16,287	13,684	17,500	(3,816)	-22%	17,500	18,200	18,928	19,685	20,473
06-409-000-035 Insurance - Property	12,336	10,892	13,950	13,950	-	0%	18,312	19,044	19,806	20,599	21,422
06-409-000-036 Electric	194,595	225,868	188,153	250,000	(61,847)	-25%	250,000	260,000	270,400	281,216	292,465
06-409-000-037 Water	11,921	31,939	12,341	20,000	(7,659)	-38%	20,000	20,800	21,632	22,497	23,397
06-409-000-052 Building Maintenance & Repair	-	-	872	10,000	(9,128)	-91%	10,000	10,400	10,816	11,249	11,699
06-409-000-260 Building Supplies and Small Tools	-	-	-	15,000	(15,000)	-100%	15,000	15,600	16,224	16,873	17,548
06-409-000-427 Waste Disposal	-	-	-	-	-	#DIV/0!	-	-	-	-	-
<b>Total Building Expenses</b>	<b>234,157</b>	<b>284,986</b>	<b>229,000</b>	<b>331,450</b>	<b>(102,450)</b>	<b>-31%</b>	<b>335,812</b>	<b>349,244</b>	<b>363,214</b>	<b>377,743</b>	<b>392,853</b>
<b>Operations</b>											
06-420-000-020 Supplies	25,453	20,870	2,534	50,000	(47,466)	-95%	30,000	31,200	32,448	33,746	35,096
06-420-000-022 Chemicals	8,096	13,196	8,577	15,000	(6,423)	-43%	15,000	15,600	16,224	16,873	17,548
06-420-000-023 Propane & Fuel Oil	2,991	-	1,711	10,000	(8,289)	-83%	10,000	10,400	10,816	11,249	11,699
06-420-000-025 Maintenance & Repair	158,210	170,968	119,253	150,000	(30,747)	-20%	150,000	156,000	162,240	168,730	175,479
06-420-000-030 Testing	36,203	37,560	29,466	50,000	(20,534)	-41%	50,000	52,000	54,080	56,243	58,493
06-420-000-031 Pump and Haul	100,218	103,584	90,460	75,000	15,460	21%	90,000	93,600	97,344	101,238	105,287
06-420-000-032 Vegetation Management	5,895	9,649	14,077	20,000	(5,923)	-30%	15,000	15,600	16,224	16,873	17,548
06-420-000-035 Permits	2,878	3,602	15,721	5,000	10,721	214%	25,000	26,000	27,040	28,122	29,246
06-420-000-042 Dues and Memberships	75	-	-	-	-	#DIV/0!	1,000	1,040	1,082	1,125	1,170
06-420-000-045 Contracted Services	161,528	134,070	146,521	175,000	(28,479)	-16%	175,000	182,000	189,280	196,851	204,725
06-420-000-048 Misc Expenses	284	4,515	781	10,000	(9,219)	-92%	10,000	10,400	10,816	11,249	11,699
06-420-000-235 Vehicle Maintenance	-	373	-	2,000	(2,000)	-100%	2,000	2,080	2,163	2,250	2,340

**Upper Uwchlan Municipal Authority  
2023 BUDGET and FIVE YEAR PROJECTION**

	2020 Actual (audited)	2021 Actual (audited)	2022				2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget
	1,875	1,603	YTD 2022 (thru 10/31)	Budget	\$ Over Budget	% of Budget					
<b>06-420-000-329 PA One Call</b>			411	2,500	(2,089)	-84%	2,500	2,600	2,704	2,812	2,925
<b>Total Operations</b>	503,706	499,990	429,512	564,500	(134,988)	-24%	575,500	598,520	622,461	647,359	673,254
<b>06-483-000-000 Capital Repair</b>	-	42,624	-	50,000	(50,000)	-100%	50,000	50,000	50,000	50,000	50,000
<b>Total Misc. Expenses</b>	-	42,624	-	50,000	(50,000)	-100%	50,000	50,000	50,000	50,000	50,000
<b>Operations Management Agreements</b>											
<b>06-471-000-020 Operations Mgt Agree-2019 Bonds</b>	237,408	236,741	102,996	235,994	(132,998)	-56%	235,244	239,344	238,294	237,244	235,844
<b>06-471-000-030 Operations Mgt Agree-2019A Bonds</b>	335,280	336,198	61,000	337,000	(276,000)	0%	332,700	334,475	331,175	331,775	337,275
<b>Total Operations Management Agreements</b>	572,688	572,939	163,996	572,994	(408,998)	-71%	567,944	573,819	569,469	569,019	573,119
<b>06-492-000-020 Transfer to Water Resource Protection F</b>	-	-	-	-	-	0%	-	-	-	-	-
<b>06-492-000-030 Transfer to MA Capital Fund</b>	-	-	350,000	-	-	0%	-	-	-	-	-
	-	-	350,000	-	-	#DIV/0!	-	-	-	-	-
<b>Total Expenses</b>	2,121,765	2,190,178	1,656,633	2,123,585	(816,952)	-38%	2,083,923	2,144,037	2,196,096	2,254,311	2,319,422
<b>Net Income before Operations Agreemen</b>	<b>351,601</b>	<b>592,610</b>	<b>488,608</b>	<b>2,226,495</b>	<b>(1,737,887)</b>	<b>-78%</b>	<b>1,424,577</b>	<b>959,463</b>	<b>1,082,404</b>	<b>1,194,189</b>	<b>1,254,078</b>

**Upper Uwchlan Municipal Authority**  
**2023 CAPITAL BUDGET and FIVE YEAR PROJECTION**

		2021 Actual ( <i>Pro Forma</i> )	2022				2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget
			YTD 2022 (thru 10/31)	Budget	\$ Over Budget	% of Budget					
<b>Income</b>											
300 Revenues											
07-340-000-000 Interest Income			5,594	4,000	1,594	0%	10,000	10,000	10,000	10,000	10,000
Grant Revenue			-	-	-	0%	-	-	-	-	-
Misc Revenue			-	-	-	0%	-	1,000	1,000	1,000	1,000
07-395-000-100 Transfer from MA Operating Fund		-	3,983,200	-	-	0%	-	-	-	-	-
Transfer from Sewer Fund			-	-	-	0%	-	-	-	-	-
<b>Total Income</b>			3,988,794	4,000	1,594	0%	10,000	11,000	11,000	11,000	11,000
<b>Expense</b>											
General											
07-400-000-355 Bank Fees			873	400	473	118%	1,000	1,000	1,000	1,000	1,000
07-420-000-010 Act 537 Update			-	38,000	(38,000)	-100%	38,000	-	-	-	-
07-420-000-020 UCC Code Updates			-	30,000	(30,000)	-100%	30,000	-	-	-	-
07-420-000-048 Capital Equipment Shared w/ UUT			-	19,000	(19,000)	-100%	19,000	-	-	-	-
07-420-000-050 Misc. Capital Purchases			-	35,000	(35,000)	-100%	35,000	-	-	-	-
Other			-	-	-	#DIV/0!	-	-	-	-	-
<b>Total General Expenses</b>			873	122,400	(121,527)	-99%	123,000	1,000	1,000	1,000	1,000
Capital Expenditures											
07-483-000-000 Capital Repair		-	38,625	-	38,625	#DIV/0!	35,000	-	-	-	-
07-483-000-100 Milford Farms Sanitary Sewer Extension			13,274	700,000	(686,726)	-98%	700,000	2,548,000	-	-	-
07-483-000-110 Meadow Creek Sanitary Sewer Extension			52,985	750,000	(697,015)	-93%	800,000	3,026,000	-	-	-
07-483-000-120 Eaglepoint Wastewater System			-	-	-	#DIV/0!	520,000	-	-	-	-
07-483-000-130 Byers Rd Wastewater System	275,442	534,804	785,000	(250,196)	-32%	150,000	-	-	-	-	-
07-483-000-140 Route 100 Wastewater System			52,460	(52,460)	-100%	441,000	-	-	-	-	-
07-483-000-150 Marsh Harbor Wastewater System			12,300	(12,300)	-100%	18,000	-	-	-	-	-
07-483-000-160 St. Andrew's Brae Wastewater System		-	10,000	(10,000)	-100%	12,100	-	-	-	-	-
07-483-000-170 Greenridge Wastewater System			-	-	#DIV/0!	-	-	-	-	-	-
07-483-000-180 Lakeridge Wastewater System			-	-	#DIV/0!	-	-	-	-	-	-
07-483-000-190 Saybrooke Wastewater System			-	-	#DIV/0!	2,100	-	-	-	-	-
07-493-000-083 Depreciation			-	130,000	(130,000)	-100%	-	-	-	-	-
<b>Total Capital Expenditures</b>		275,442	639,688	2,439,760	(1,800,072)	-74%	2,678,200	5,574,000	-	-	-
06-492-000-020 Transfer to Water Resource Protection Fund			-	-	-	#DIV/0!	-	-	-	-	-
Transfer to MA Operating Fund			-	-	-	#DIV/0!	-	-	-	-	-
Tapping Fee Reimbursement		-	-	-	-	#DIV/0!	-	-	-	-	-
<b>Net Income after Operations Agreement</b>		(275,442)	3,348,233	(2,558,160)	1,923,193	#DIV/0!	(2,791,200)	(5,564,000)	10,000	10,000	10,000

**Upper Uwchlan Township Municipal Authority**  
**2023 Capital Budget Equipment Replacement Recommendations**

The following are recommendations for replacement or maintenance of equipment and facilities for the year 2023 for each of the wastewater treatment systems maintained by the Township.

**Eaglepointe Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
WWTP Conversion Project <sup>1</sup>				1	LS	\$520,000.00	\$520,000.00
<b>Total Estimated Cost:</b>							<b>\$520,000.00</b>

**Notes:**

1. Convert WWTP into pre-treatment facility, eliminate stream discharge and convey pre-treated effluent to the Route 100 Wastewater System for treatment and disposal.

**Greenridge Wastewater System**

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

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2023 at this wastewater system.

**Lakeridge Wastewater System**

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

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2023 at this wastewater system.

**Upper Uwchlan Township Municipal Authority**  
**2023 Capital Budget Equipment Replacement Recommendations**

The following are recommendations for replacement or maintenance of equipment and facilities for the year 2023 for each of the wastewater treatment systems maintained by the Township.

**Marsh Harbour Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Replace SBR Blower <sup>1</sup>				1	LS	\$18,000.00	\$18,000.00
<b>Total Estimated Cost:</b>							<b>\$18,000.00</b>

**Notes:**

1. Estimated cost per WWTP Operator.

**Meadow Creek Wastewater System**

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

**Notes:**

1. There are no recommendations for replacement or capital maintenance of equipment for the year 2023 at this wastewater system.

**Route 100 Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Wet well coating (Spray Roq-125 mil thickness) <sup>1</sup>				300	SF	\$25.00	\$7,500.00
Spare pump for remote pump stations <sup>2</sup>				1	LS	\$30,000.00	\$30,000.00
Replaces Influent Screen <sup>3</sup>				1	LS	\$390,000.00	\$390,000.00
Portable Samplers				3	EA	\$4,500.00	\$13,500.00
<b>Total Estimated Cost:</b>							<b>\$441,000.00</b>

**Notes:**

1. Surface area is approximate and may change upon closer inspection.
2. Spare pump is needed at the Windsor Ridge pump station. (In 2022, new pump purchased for Ewing West Vincent, and pump rebuilt for Reserve at Eagle pump station. Estimated cost per WWTP Operator.
3. Preliminary cost opinion

**Upper Uwchlan Township Municipal Authority**  
**2023 Capital Budget Equipment Replacement Recommendations**

The following are recommendations for replacement or maintenance of equipment and facilities for the year 2023 for each of the wastewater treatment systems maintained by the Township.

**Saybrooke Wastewater System**

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Paving				1	LS	\$2,100.00	\$2,100.00
<b>Total Estimated Cost:</b>							<b>\$2,100.00</b>

**Notes:**

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

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

Equipment Type	Expected Service Life (years)	Condition Rating*	Estimated Remaining Useful Life (years)	Quantity	Unit	Unit Cost	Estimated Cost
Control/Blower Building Roof Replacement				1	LS	\$10,000.00	\$10,000.00
Paving				1	LS	\$2,100.00	\$2,100.00
<b>Total Estimated Cost:</b>							<b>\$12,100.00</b>

**Notes:**

1. Control/Blower Building roof appears to in need of replacement, per WWTP Operator.
2. Estimated Cost as provided by the Department of Public Works.

Summary Capital Budget Replacement Costs	2022	2023
<b>UUTMA Wastewater Facility Equipment Recommendations</b>		
Eaglepointe Wastewater System		\$520,000.00
Greenridge Wastewater System		\$0.00
Lakeridge Wastewater System		\$0.00
Marsh Harbour Wastewater System		\$18,000.00
Meadow Creek Wastewater System		\$0.00
Route 100 Wastewater System		\$441,000.00
Saybrooke Wastewater System		\$2,100.00
St. Andrew's Brae Wastewater System		\$12,100.00
Byers Road Sanitary Sewer Extension (less H2O Grant)		\$150,000.00
Milford Farms Sanitary Sewer Extension *	\$700,000.00	\$2,548,000.00
Meadow Creek Sanitary Sewer Extension *	\$800,000.00	\$3,026,000.00
<b>Miscellaneous Budgetary Items</b>		
System - Misc. Capital Purchases	<b>\$35,000.00</b>	
<b>Total Cost:</b>	<b>\$2,678,200.00</b>	

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

\*Duration of project extends over two calendar years

## GLOSSARY

**Accrual Basis of Accounting** – The basis of accounting in which revenues are recognized when they are earned and expenses are recognized when they are incurred.

**Act 537 Plan** – Refers to the Pennsylvania Sewage Facilities Act, as amended, enacted on January 24, 1966 to correct existing sewage disposal problems and prevent future problems. The Act requires proper planning in all types of sewage disposal situations. Local municipalities are largely responsible for administering the Act 537 sewage disposal program.

**Assets** – Property owned by the Township that has a monetary value.

**Balanced Budget** – A budget is considered balanced when budgeted revenues equal or exceed budgeted expenditures.

**CAFR** – Abbreviation for Comprehensive Annual Financial Report. The CAFR expands upon full Generally Accepted Accounting Principles (GAAP) financial statements by including a large amount of statistical information applicable to the municipality.

**Capital Assets** – Any tangible or intangible asset that has an initial useful life extending beyond a single reporting period. Assets such as land, easements, buildings, building improvements, vehicles, machinery, equipment, infrastructure, works of art or of historical significance are normally capital assets.

**Capital Expenditures** – Money expended to purchase capital assets.

**Comprehensive Annual Financial Report** – The official financial report of a municipal entity. It includes management's discussion and analysis, financial statements, supporting schedules and required supplementary information and statistics on the municipality.

**DDB** – “DDB” is an abbreviation for Dry Detention Basin. Dry detention basin outlets have been designed to detain storm water runoff for a minimum period of time (i.e. Usually 24 hours) to allow particles and pollutants to settle. Unlike wet ponds, they do not have a permanent pool of water.

**Debt Limit** – The State-set maximum amount of legally permitted outstanding net debt.

**Delaware Valley Insurance Trust (DVIT)** – A regional risk sharing pool providing property, liability and/or health coverage to its participating members which consists of municipalities in Southeastern Pennsylvania. The Trust was formed under the authority granted by the Pennsylvania Intergovernmental Cooperation Act and the Pennsylvania Political Subdivision Tort Claims Act.

The Township currently has all of its insurance coverage through DVIT.

**Effluent** – The outflow from a sewage treatment facility.

## GLOSSARY, cont'd

**Enterprise Funds** – Proprietary fund type used to report an activity for which a fee is charted to external users for goods or services.

**Fund** – A fiscal and accounting tool with a self-balancing set of accounts to record revenues and expenditures.

**Fund Balance** – Fund balance is the net position of a governmental fund. It is equal to the difference between assets, liabilities, deferred outflows of resources and deferred inflows of resources. It is the “equity” of a governmental fund.

**GAAP** – GAAP is an abbreviation for Generally Accepted Accounting Principles which are the standard framework and guidelines used in financial accounting in the United States of America. The Financial Accounting Standards Board is responsible for issuing new accounting pronouncements.

**GASB** – GASB is an abbreviation for the Government Accounting Standards Board. GASB is the authoritative accounting and financial reporting standard-setting body for state and local governments.

**General Fund** – An accounting entity used to account for all revenue and expenditures applicable to the general operations of the departments of the Township and to record all financial transactions not accounted for in another fund.

**GFOA** – GFOA is the abbreviation for the Government Finance Officers Association. The GFOA is a national professional organization comprised of people who are working in government finance on a state, local or federal level. The GFOA holds educational training seminars nationally and also provides information on “Best Practices”, as well as other services, to its members. State and local chapters provide local training on a monthly, quarterly or annual basis.

**Impervious Coverage** – Impervious coverage refers to any man-made surfaces, along with compacted soil, that water cannot penetrate. Examples are asphalt, concrete, and rooftops.

**LUAR** – The abbreviation for a Land Use Assumptions Report.

**Modified Accrual Basis of Accounting** – An accounting method that combines elements of the two (2) basic accounting methods, cash basis and accrual basis. Revenues are recognized when earned, measurable and available. Expenses are recognized when the liability is incurred.

**MS-4** – Under the 1987 Clean Water Act Amendments, the U.S. EPA developed new regulations to address storm water that might impact water quality. These new “Municipal Separate Storm Sewer System” (MS4) regulations were established by the EPA and are administered in Pennsylvania by the Pennsylvania Department of Environmental Protection (“DEP” or “PADEP”).

**NPDES permit** – National Pollutant Discharge Elimination System permit. Permits are issued by PADEP.

**GLOSSARY, cont'd**

**PADEP** – Pennsylvania Department of Environmental Protection

**PEMA** – Pennsylvania Emergency Management Agency

**Scheduled Interest** – The amount of interest that would be paid by following the bank's amortization schedule. If the Township pays additional principal amounts during the remaining years of the loan, the actual amount of interest paid will be less.

**Second Class Township** – A second class township is defined as having a population of less than 300 inhabitants per square mile and in Pennsylvania they are governed by the Second Class Township Code, enacted by the state legislature on May 1, 1933, as amended.

**WWTF** – Waste Water Treatment Facility



## RESOLUTION # 01-24-23-26

**WHEREAS**, the Upper Uwchlan Township Municipal Authority wishes to establish Administration Costs and User Fees for calendar year **2023**, and

**WHEREAS**, the Upper Uwchlan Township Municipal Authority has determined the Administration Costs and User Fees as follows:

**2023 Administration Costs:** **\$ 380,668**

**2023 User Fees:**

SYSTEM	2022 RATE	PROPOSED 2023 RATE
Commercial Users	\$12.00 / 1,000 gallons	\$12.00 / 1,000 gallons
Fellowship Road	\$190.00 / quarter	\$190.00 / quarter
Lakeridge	\$190.00 / quarter	\$190.00 / quarter
Marsh Harbour	\$190.00 / quarter	\$190.00 / quarter
Meadow Creek	\$190.00 / quarter	\$190.00 / quarter
Saybrooke	\$190.00 / quarter	\$190.00 / quarter
St. Andrews Brae	\$190.00 / quarter	\$190.00 / quarter
Greenridge	\$190.00 / quarter	\$190.00 / quarter

**NOW, THEREFORE**, be it resolved, the Upper Uwchlan Township Municipal Authority 2023 Operating Budget totals **\$ 2,083,923.00**

**HEREBY RESOLVED and ADOPTED**, this 24th day of January, 2023.

UPPER UWCHLAN TOWNSHIP  
MUNICIPAL AUTHORITY

ATTEST:

\_\_\_\_\_  
Hal Harper, Member

\_\_\_\_\_  
G. Matthew Brown  
Authority Administrator

\_\_\_\_\_  
William Quinn, Member

\_\_\_\_\_  
Joseph Samarco, Member

\_\_\_\_\_  
Louis Schack, Member

\_\_\_\_\_  
Robert Watts, Member