



## AGENDA

November 22, 2022

7:30 p.m.

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

- I. Call to Order
- II. Approval of Minutes: October 25, 2022
- III. Approval of Payments: November 2022
- IV. Treasurer's Report
- V. Authority Administration Reports
  - A. Clean Water, Inc. Monthly Report
  - B. ARRO Consulting Monthly Report
  - C. Authority Administrator's Report
    - i. H2O Grant Applications ~ Resolution Approvals
  - D. Public Works Department Report
- VI. Open Session
- VII. Next Meeting Date: December 27, 2022 ~ 7:30 p.m.
- VIII. Adjournment



## MEETING MINUTES

October 25, 2022

7:30 PM

**DRAFT**

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

### **Call to Order**

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

### **Approval of Minutes**

Draft minutes of the September 27, 2022, meeting were presented. H. Harper moved to approve the minutes as submitted. B. Watts seconded. It was so moved.

### **Approval of Payments**

Following a brief discussion and questions, B. Watts moved to approve the payments for October 2022. H. Harper seconded. It was so moved.

### **Treasurer's Report**

Following a brief discussion and questions H. Harper made a motion to accept the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. B. Watts seconded. It was so moved.

### **Authority Administration Reports**

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

M. Brown provided a monthly update on land available for disposal. He noted the developer looking to partner with the Authority for land procurement in West Vincent Township (WVT) was still responding to WVT comments and concerns. M. Brown noted he would continue to monitor the progress of the project.

M. Brown advised the Board of Mr. Carlson's resignation from the Municipal Authority due to health reasons. A discussion was held on what the Township/Authority could do to honor his many years of dedicated service. M. Brown said he would reach out to Mr. Carlson to see if he could attend an event.

M. Brown noted the memo that was included in the packet with an analysis of reducing the Single-Family Home (SFH) EDU value from 225 gpd/EDU to 200 gpd/EDU. He stated the change could generate approximately 41,000 gpd of additional disposal space that could be used until the Authority develops additional disposal space. M. Brown noted the discussion from the previous month and stated no change would be made to the cost per home for existing residents since the Authority set that figure by resolution. After further discussion and questions, B. Watts moved to authorize the change of EDU value and to direct the engineer and Administrator to seek DEP approval for an EDU value of 175 gpd/EDU to 200 gpd/EDU. H. Harper seconded. It was so moved.

M. Brown noted the damage to the above ground connector at the regional pump station and the leak that occurred. It was the opinion of the operator and Administrator it had been hit by a vehicle. He noted there had been a temporary fix, but it needed to be repaired immediately. He had procured a price from MGK contractors for the repair work and since it was an immediate need and an extraordinary repair, it was his opinion it did not require bidding. B. Watts noted bollards were required. M. Brown agreed. Following additional questions and discussion, B. Watts moved to authorize MGK to conduct the repair. H. Harper seconded the motion. It was so moved.

M. Brown noted the tree grants available to the Authority and was applying for said grants to install indigenous trees in the buffer area of the Ferncroft Drive disposal field. He also noted that grant monies were now available for wastewater projects through the federal Infrastructure funding. These grants were for shovel-ready projects. M. Brown said he wanted the Authority to apply to include Milford Farms, Meadow Creek and the Eaglepointe WWTF conversion to a pre-treatment facility. There was a consensus of the Board for the Administrator and engineer to pursue these grant opportunities.

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

### **Open Session**

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

### **Next Meeting Date: November 22, 2022 - 7:30 PM**

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

### **Adjournment**

There being no further business to be brought before the Authority, H. Harper made a motion to adjourn the meeting at 8:04 PM. B. Watts seconded. It was so moved.

Respectfully submitted,

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

November 18, 2022  
02:09 PM

Upper Uwchlan Township  
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2984 to 3007  
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
11/22/22		ALSGROUP ALS GROUP USA, CORP	6,645.80		2736
11/22/22		AQUAP010 AQUA PA	1,436.33		2736
11/22/22		ARROC010 ARRO CONSULTING, INC.	13,543.25		2736
11/22/22		ATTMOBIL AT & T MOBILITY	168.18		2736
11/22/22		BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	1,652.50		2736
11/22/22		CHRISFRA FRANTZ, CHRISTOPHER	430.00		2736
11/22/22		CLEANWAT CLEAN WATER, INC.	6,575.00		2736
11/22/22		DELARIVE DELAWARE RIVER BASIN COMMISSION	15,176.00		2736
11/22/22		EAGLEPEQ EAGLE POWER & EQUIPMENT	852.00		2736
11/22/22		HOPKINS HOPKINS & SCOTT, INC	30,000.00		2736
11/22/22		INKS0010 INK'S DISPOSAL SERVICE, INC.	3,900.00		2736
11/22/22		KAPPEASS KAPPE ASSOCIATES, INC	150.00		2736
11/22/22		MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	3,528.88		2736
11/22/22		MJREIDER M. J. REIDER ASSOCIATES, INC.	980.00		2736
11/22/22		MULLS010 MULL'S ELECTRIC, INC.	2,850.85		2736
11/22/22		NAPA0010 NAPA AUTO PARTS	148.19		2736
11/22/22		NAPAMORG NAPA MORGANTOWN	154.95		2736
11/22/22		PECO0010 PECO	17,584.04		2736
11/22/22		PENNS080 PENNSYLVANIA ONE CALL	125.86		2736
11/22/22		PIPED010 PIPE DATA VIEW	1,850.00		2736
11/22/22		PRED0010 PREDOC	1,676.15		2736
11/22/22		UPPER070 UPPER UWCHLAN TOWNSHIP	83,258.71		2736
11/22/22		VERIZFIO VERIZON	1,217.05		2736
11/22/22		WILLI020 WILLIAM WOOD CO	1,000.00		2736

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	24	0	194,903.74	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	24	0	194,903.74	0.00

November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 11/22/22 Checking Account: MA MERIDIAN G/L Credit: Expenditure G/L Credit  
Generate Direct Deposit: N

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description			Description				
11/22/22 ALSGROUP ALS GROUP USA, CORP									
22-01469	11/22/22	1 courts of chester springs	448.90	P.O. BOX 975444	06-420-000-030	Expenditure	Aprv	1	1
				Testing					
22-01469	11/22/22	2 saybrooke monitoring wells	436.90	06-420-000-030	Testing	Expenditure	Aprv	2	1
				Testing					
22-01469	11/22/22	3 ewing west vincent	590.20	06-420-000-030	Testing	Expenditure	Aprv	3	1
				Testing					
22-01469	11/22/22	4 ewing west vincent	166.30	06-420-000-030	Testing	Expenditure	Aprv	4	1
				Testing					
22-01469	11/22/22	5 eagle hunt monitoring wells	492.10	06-420-000-030	Testing	Expenditure	Aprv	5	1
				Testing					
22-01469	11/22/22	6 green ridge monitoring wells	492.10	06-420-000-030	Testing	Expenditure	Aprv	6	1
				Testing					
22-01469	11/22/22	7 marsh harbour monitoring wells	753.50	06-420-000-030	Testing	Expenditure	Aprv	7	1
				Testing					
22-01469	11/22/22	8 ewing west vincent	872.80	06-420-000-030	Testing	Expenditure	Aprv	8	1
				Testing					
22-01469	11/22/22	9 lake ridge monitoring wells	471.10	06-420-000-030	Testing	Expenditure	Aprv	9	1
				Testing					
22-01469	11/22/22	10 windsor ridge monitoring wells	914.80	06-420-000-030	Testing	Expenditure	Aprv	10	1
				Testing					
22-01469	11/22/22	11 reserve at eagle wells	1,007.10	06-420-000-030	Testing	Expenditure	Aprv	11	1
				Testing					
			6,645.80						
11/22/22 AQUAP010 AQUA PA									
22-01511	11/22/22	1 119 prescott dr	20.51	PO BOX 70279	06-409-000-037	Expenditure	Aprv	82	1
				Water					
22-01511	11/22/22	2 439 prescott dr	20.51	06-409-000-037	Water	Expenditure	Aprv	83	1
				Water					
22-01511	11/22/22	3 100 prescott dr	20.51	06-409-000-037	Water	Expenditure	Aprv	84	1
				Water					
22-01511	11/22/22	4 meadow creek	20.51	06-409-000-037	Water	Expenditure	Aprv	85	1
				Water					
22-01511	11/22/22	5 308 flagstone rd	26.12	06-409-000-037	Water	Expenditure	Aprv	86	1
				Water					
22-01511	11/22/22	6 1 prospect hill	65.00	06-409-000-037	Water	Expenditure	Aprv	87	1
				Water					
22-01511	11/22/22	7 528 walter court	20.51	06-409-000-037	Water	Expenditure	Aprv	88	1
				Water					
22-01511	11/22/22	8 325 fellowship rd	1,000.00	06-409-000-037	Water	Expenditure	Aprv	89	1
				Water					
22-01511	11/22/22	9 658 collingwood ter	59.80	06-409-000-037	Water	Expenditure	Aprv	90	1
				Water					
22-01511	11/22/22	10 241 fellowship rd unit pump	20.51	06-409-000-037	Water	Expenditure	Aprv	91	1
				Water					
22-01511	11/22/22	11 29 yarmouth lane	20.51	06-409-000-037	Water	Expenditure	Aprv	92	1
				Water					
22-01511	11/22/22	12 425 hemlock lane	59.80	06-409-000-037	Water	Expenditure	Aprv	93	1

November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 2

Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
22-01511	11/22/22	13 2680 primrose ct	20.51	Water 06-409-000-037	Expenditure	Aprv	94	1
22-01511	11/22/22	14 381 little conestoga rd	20.51	Water 06-409-000-037	Expenditure	Aprv	95	1
22-01511	11/22/22	15 111 dorothy lane	20.51	Water 06-409-000-037	Expenditure	Aprv	96	1
22-01511	11/22/22	16 1120 sunderland ave	20.51	Water 06-409-000-037	Expenditure	Aprv	97	1
			<u>1,436.33</u>					
22-01494	11/22/22	1 ma-project 10270.56 mapping	626.50	108 WEST AIRPORT ROAD 06-408-000-000	Expenditure	Aprv	50	1
22-01494	11/22/22	2 ma-project 10270.73 conversion	9,201.25	Engineering Fees 06-408-000-000	Expenditure	Aprv	51	1
22-01494	11/22/22	3 ma-project 17000.00 consulting	3,715.50	Engineering Fees 06-400-000-002	Expenditure	Aprv	52	1
			<u>13,543.25</u>	Authority Admin Expense - ARRO				
22-01490	11/22/22	1 ma	168.18	PO BOX 6463 06-409-000-032	Expenditure	Aprv	49	1
			<u>168.18</u>	Telephone				
22-01471	11/22/22	1 ma-october services	1,652.50	118 W. MARKET STREET 06-404-000-000	Expenditure	Aprv	12	1
			<u>1,652.50</u>	Legal Fees				
22-01472	11/22/22	1 ma-october services	430.00	PO BOX 557 06-404-000-000	Expenditure	Aprv	13	1
			<u>430.00</u>	Legal Fees				
22-01473	11/22/22	1 ma - monthly operations	6,575.00	170 DALLAS STREET 06-420-000-045	Expenditure	Aprv	14	1
			<u>6,575.00</u>	Contracted Services				
22-01487	11/22/22	1 Del River Basin Application	15,176.00	PO BOX 7360 06-420-000-035	Expenditure	Aprv	47	1
			<u>15,176.00</u>	Permits				
22-01475	11/22/22	1 ma - assy panel/meter	852.00	P.O. BOX 425 06-420-000-020	Expenditure	Aprv	16	1
			<u>852.00</u>	Supplies				
22-01488	11/22/22	1 Road Survey for Meadow Creek	30,000.00	207 FRANKLIN AVENUE 06-420-000-045	Expenditure	Aprv	48	1

November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 3

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description			Description				
			30,000.00	Contracted Services					
22-01474	11/22/22	1 ma - october services	3,900.00	564 NORTH MANOR ROAD	06-420-000-025	Expenditure	Aprv	15	1
			3,900.00	Maintenance & Repair					
22-01476	11/22/22	1 byers pump #2	150.00	100 WORMANS MILL COURT	06-420-000-025	Expenditure	Aprv	17	1
			150.00	Maintenance & Repair					
22-01478	11/22/22	1 byers station/wet well	1,722.20	920 SOUTH BOLMAR STREET	06-420-000-025	Expenditure	Aprv	27	1
22-01478	11/22/22	2 eaglepoint	370.60		06-420-000-031	Expenditure	Aprv	28	1
22-01478	11/22/22	3 eaglepoint	370.60		06-420-000-031	Expenditure	Aprv	29	1
22-01478	11/22/22	4 eaglepoint	370.60		06-420-000-031	Expenditure	Aprv	30	1
22-01478	11/22/22	5 eaglepoint	324.28		06-420-000-031	Expenditure	Aprv	31	1
22-01478	11/22/22	6 eaglepoint	370.60		06-420-000-031	Expenditure	Aprv	32	1
			3,528.88						
22-01477	11/22/22	1 marshharbour influent/effluent	136.25	107 ANGELICA STREET	06-420-000-030	Expenditure	Aprv	18	1
22-01477	11/22/22	2 greenridge influent/effluent	116.25		06-420-000-030	Expenditure	Aprv	19	1
22-01477	11/22/22	3 saybrooke effluent	45.00		06-420-000-030	Expenditure	Aprv	20	1
22-01477	11/22/22	4 lakeridge	116.25		06-420-000-030	Expenditure	Aprv	21	1
22-01477	11/22/22	5 st andrews brae influ/effluent	166.25		06-420-000-030	Expenditure	Aprv	22	1
22-01477	11/22/22	6 saybrooke influent/effluent	116.25		06-420-000-030	Expenditure	Aprv	23	1
22-01477	11/22/22	7 st andrews brae effluent	87.50		06-420-000-030	Expenditure	Aprv	24	1
22-01477	11/22/22	8 rt 100 influent/effluent	116.25		06-420-000-030	Expenditure	Aprv	25	1
22-01477	11/22/22	9 ewing w vincent lagoon	80.00		06-420-000-030	Expenditure	Aprv	26	1
			980.00	Testing					
22-01479	11/22/22	1 eagle farms - A phase module	1,193.60	357 MAIN STREET	06-420-000-025	Expenditure	Aprv	33	1
				Maintenance & Repair					

Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
22-01479	11/22/22	2 eaglehunt - C phase module	1,657.25	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	34	1
			<u>2,850.85</u>					
	11/22/22	NAPA0010 NAPA AUTO PARTS		PO BOX 414988				
22-01480	11/22/22	1 ma - clamps	12.74	06-420-000-020 Supplies	Expenditure	Aprv	35	1
22-01480	11/22/22	2 ma - clamps	7.99	06-420-000-020 Supplies	Expenditure	Aprv	36	1
22-01480	11/22/22	3 ma - 10w10 / antifreeze	127.46	06-420-000-020 Supplies	Expenditure	Aprv	37	1
			<u>148.19</u>					
	11/22/22	NAPAMORG NAPA MORGANTOWN		108 S. MULBERRY STREET				
22-01481	11/22/22	1 ma - posts	22.47	06-420-000-020 Supplies	Expenditure	Aprv	38	1
22-01481	11/22/22	2 ma - btry cable brush/58qt pan	132.48	06-420-000-020 Supplies	Expenditure	Aprv	39	1
			<u>154.95</u>					
	11/22/22	PECO0010 PECO		SUMMARY BILL PROCESSING CENTER				
22-01510	11/22/22	1 304 fellowship	193.92	06-409-000-036 Electric	Expenditure	Aprv	54	1
22-01510	11/22/22	2 2500 eagle farms	952.09	06-409-000-036 Electric	Expenditure	Aprv	55	1
22-01510	11/22/22	3 seabury lane-lot 12	41.54	06-409-000-036 Electric	Expenditure	Aprv	56	1
22-01510	11/22/22	4 primrose court	271.54	06-409-000-036 Electric	Expenditure	Aprv	57	1
22-01510	11/22/22	5 314 prescott drive	539.47	06-409-000-036 Electric	Expenditure	Aprv	58	1
22-01510	11/22/22	6 meadow creek lane	34.00	06-409-000-036 Electric	Expenditure	Aprv	59	1
22-01510	11/22/22	7 control bldg 301 pottstown pk	596.27	06-409-000-036 Electric	Expenditure	Aprv	60	1
22-01510	11/22/22	8 kristine way	117.70	06-409-000-036 Electric	Expenditure	Aprv	61	1
22-01510	11/22/22	9 711 dorian rd	310.91	06-409-000-036 Electric	Expenditure	Aprv	62	1
22-01510	11/22/22	10 111 dorothy lane	99.20	06-409-000-036 Electric	Expenditure	Aprv	63	1
22-01510	11/22/22	11 dorland drive	1,109.68	06-409-000-036 Electric	Expenditure	Aprv	64	1
22-01510	11/22/22	12 381 little conestoga	242.71	06-409-000-036 Electric	Expenditure	Aprv	65	1
22-01510	11/22/22	13 milford rd wwtp	35.24	06-409-000-036 Electric	Expenditure	Aprv	66	1
22-01510	11/22/22	14 st andrews rd	41.84	06-409-000-036 Electric	Expenditure	Aprv	67	1
22-01510	11/22/22	15 park road	1,135.85	06-409-000-036 Electric	Expenditure	Aprv	68	1
22-01510	11/22/22	16 55 pottstown pike	446.39	06-409-000-036	Expenditure	Aprv	69	1



November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 5

Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
22-01510	11/22/22	17 yarmouth lane	221.45	Electric 06-409-000-036	Expenditure	Aprv	70	1
22-01510	11/22/22	18 sunderland ave	1,792.78	Electric 06-409-000-036	Expenditure	Aprv	71	1
22-01510	11/22/22	19 kiloran wynd drive	144.13	Electric 06-409-000-036	Expenditure	Aprv	72	1
22-01510	11/22/22	20 flagstone	847.70	Electric 06-409-000-036	Expenditure	Aprv	73	1
22-01510	11/22/22	21 yarmouth lane pump 1	40.07	Electric 06-409-000-036	Expenditure	Aprv	74	1
22-01510	11/22/22	22 140 pottstown pk pump 1	178.08	Electric 06-409-000-036	Expenditure	Aprv	75	1
22-01510	11/22/22	23 275 fellowship rd	6,830.88	Electric 06-409-000-036	Expenditure	Aprv	76	1
22-01510	11/22/22	24 heron hill dr	67.12	Electric 06-409-000-036	Expenditure	Aprv	77	1
22-01510	11/22/22	25 indian springs drive	71.49	Electric 06-409-000-036	Expenditure	Aprv	78	1
22-01510	11/22/22	26 yarmouth lane pump 2	55.09	Electric 06-409-000-036	Expenditure	Aprv	79	1
22-01510	11/22/22	27 hemlock land	166.69	Electric 06-409-000-036	Expenditure	Aprv	80	1
22-01510	11/22/22	28 fellowship road	1,000.21	Electric 06-409-000-036	Expenditure	Aprv	81	1
			<u>17,584.04</u>					
22-01482	11/22/22	PENNS080 PENNSYLVANIA ONE CALL 1 PA One Call	125.86	P.O. BOX 640407 06-420-000-329 PA One Call	Expenditure	Aprv	40	1
			<u>125.86</u>					
22-01483	11/22/22	PIPED010 PIPE DATA VIEW 1 ma - lakeridge	1,850.00	9 RAILROAD AVENUE 06-420-000-045 Contracted Services	Expenditure	Aprv	41	1
			<u>1,850.00</u>					
22-01484	11/22/22	PRED0010 PREDOC 1 darrel drive	1,391.15	14 CHRISEVYN LANE 06-420-000-025 Maintenance & Repair	Expenditure	Aprv	42	1
22-01484	11/22/22	2 prescott, milford, park rd	285.00	06-420-000-030 Testing	Expenditure	Aprv	43	1
			<u>1,676.15</u>					
22-01509	11/22/22	UPPER070 UPPER UWCHLAN TOWNSHIP 1 2022 Q3 admin fees due to UUT	83,258.71	140 POTTSTOWN PIKE 06-400-000-001 Administration	Expenditure	Aprv	53	1
			<u>83,258.71</u>					
22-01485	11/22/22	VERIZFIO VERIZON 1 ma - fios	142.40	PO BOX 15124 06-409-000-032 Telephone	Expenditure	Aprv	44	1

November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 6

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description		Description					
22-01485	11/22/22	2 ma - october telephones	1,074.65	06-409-000-032	Telephone	Expenditure	Aprv	45	1
			<u>1,217.05</u>						
	11/22/22	WILLI020 WILLIAM WOOD CO		120 WEST MARKET ST.					
22-01486	11/22/22	1 395 font road easement	1,000.00	06-420-000-045	Contracted Services	Expenditure	Aprv	46	1
			<u>1,000.00</u>						

	<u>Count</u>	<u>Line Items</u>	<u>Amount</u>
checks:	24	97	194,903.74

There are NO errors or warnings in this listing.

November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 7

Totals by Year-Fund					
Fund Description	Fund	Expend Total	Revenue Total	G/L Total	Total
Upper Uwchlan Twp Municipal Authority 2-06		194,903.74	0.00	0.00	194,903.74
Total of All Funds:		<u>194,903.74</u>	<u>0.00</u>	<u>0.00</u>	<u>194,903.74</u>

November 18, 2022  
02:06 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 8

Totals by Fund Fund Description	Fund	Expend Total	Revenue Total	G/L Total	Total
Upper Uwchlan Twp Municipal Authority 06		194,903.74	0.00	0.00	194,903.74
Total of All Funds:		<u>194,903.74</u>	<u>0.00</u>	<u>0.00</u>	<u>194,903.74</u>

G/L Posting Summary

Account	Description	Debits	Credits
06-100-000-015	Meridian Checking	0.00	194,903.74
06-200-000-020	Accounts Payable	<u>194,903.74</u>	<u>0.00</u>
	Grand Total:	194,903.74	194,903.74

November 18, 2022  
02:05 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: 17 to 17  
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
	11/22/22	ARROC010 ARRO CONSULTING, INC.	3,663.06		2735

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	1	0	3,663.06	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	1	0	3,663.06	0.00

November 18, 2022  
02:02 PM

Upper Uwchlan Township  
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 11/22/22 Checking Account: MA CAP G/L Credit: Expenditure G/L Credit  
Generate Direct Deposit: N

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description		Description					
	11/22/22	ARROC010 ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
22-01496	11/22/22	1 project 10270.64	1,634.00	07-483-000-100	Expenditure	Aprv	1	1	
				Capital Construction - Milford Farms					
22-01496	11/22/22	2 project 10270.48	2,029.06	07-483-000-130	Expenditure	Aprv	2	1	
				Capital Construction - Byers Road					
			3,663.06						

	<u>Count</u>	<u>Line Items</u>	<u>Amount</u>
Checks:	1	2	3,663.06

There are NO errors or warnings in this listing.

## Upper Uwchlan Township Municipal Authority

## Balance Sheet

As of October 31, 2022

## ASSETS

<u>Cash</u>		
06-100-000-010	General Checking - Fulton Bank	\$ 138,687.65
06-100-000-015	General Checking - Meridian Bank	517,359.93
06-100-000-020	General Checking - WIPP	439,258.00
06-106-000-002	Connection Fee Account	723,246.71
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA	-
	<b>Total Cash</b>	<b>1,818,552.29</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	-
06-130-000-003	Due from UUT Capital Fund	-
06-130-000-004	Due from Solid Waste Fund	-
06-130-000-005	Due from Stormwater Fund	-
06-130-000-006	Due from Sewer Fund	-
06-152-000-000	Undeposited Funds	-
06-155-000-000	Pre-Paid Expenses	-
06-155-000-010	Pre-Paid Attorney Fees	-
	<b>Total Other Current Assets</b>	<b>21,379.48</b>
<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>\$ 2,130,715.68</b>

Upper Uwchlan Township Municipal Authority

Balance Sheet

As of October 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	146,198.80	
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	61,469.02	
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	7,438.82	
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>215,381.64</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)	490,346.60	
	<b>Total Equity</b>	<b>1,915,334.04</b>	
	Total Fund Balance	1,915,334.04	
	<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 2,130,715.68</b>	



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

**For the Period Ended October 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	\$ 1,974.60	\$ 1,000.00	197.5%	\$ 4,580.74	\$ 43,500.00
06-365-000-000 Usage Fees Residential	1,997,718.56	2,375,580.00	84.1%	2,368,526.15	2,250,000.00
06-365-000-001 Usage Fees Commercial	78,180.00	100,000.00	78.2%	96,223.04	100,000.00
06-365-000-010 Connection Fees	20,000.00	1,347,500.00	1.5%	301,828.22	4,677,750.00
06-365-000-015 Sewer - resident refunds	-	-	#DIV/0!	-	-
06-365-000-020 Connection Fees - Byers Road	45,043.23	-	#DIV/0!	-	-
06-354-000-020 Grant revenue - State	2,324.00	525,000.00	0.4%	11,630.00	465,000.00
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
<b>TOTAL REVENUES</b>	<b>\$ 2,145,240.39</b>	<b>\$ 4,350,080.00</b>	<b>49.3%</b>	<b>\$ 2,782,788.15</b>	<b>\$ 7,537,250.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration - UUT	277,047.29	275,000.00	100.7%	273,411.49	264,736.00
06-400-000-002 Authority Administrative Expense - ARRO	54,477.46	120,000.00	45.4%	122,801.85	120,000.00
06-400-000-004 Authority Administrator - MB	37,044.51	-	#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	15,692.53	25,000.00	62.8%	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	3,617.20	-	#DIV/0!	-	-
06-408-000-000 Engineering Fees	78,094.17	150,000.00	52.1%	359,406.40	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	<b>482,385.44</b>	<b>604,641.00</b>	<b>79.8%</b>	<b>789,639.87</b>	<b>595,256.00</b>
<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	13,683.95	17,500.00	78.2%	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	188,153.32	250,000.00	75.3%	225,868.29	250,000.00
06-409-000-037 Water	12,340.79	20,000.00	61.7%	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!	-	-
	<b>228,999.86</b>	<b>331,450.00</b>	<b>69.1%</b>	<b>284,986.29</b>	<b>330,000.00</b>
<u>Operations:</u>					
06-420-000-020 Supplies	2,533.61	50,000.00	5.1%	20,869.89	50,000.00
06-420-000-022 Chemicals	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	119,252.63	150,000.00	79.5%	170,967.64	120,000.00
06-420-000-030 Testing	29,465.70	50,000.00	58.9%	37,959.86	35,000.00
06-420-000-031 Pump & Haul	90,459.59	75,000.00	120.6%	103,583.94	60,000.00
06-420-000-032 Vegetation Management	14,077.59	20,000.00	70.4%	9,648.86	20,000.00
06-420-000-035 Permits	15,721.23	5,000.00	314.4%	3,602.00	5,000.00
06-420-000-042 Dues and Memberships	-	-	#DIV/0!	-	-
06-420-000-045 Contracted Services	146,521.06	175,000.00	83.7%	134,070.00	150,000.00
06-420-000-048 Misc expenses	781.50	10,000.00	7.8%	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	411.13	2,500.00	16.4%	1,602.79	2,500.00
	<b>429,512.27</b>	<b>564,500.00</b>	<b>76.1%</b>	<b>500,388.01</b>	<b>474,500.00</b>

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

**For the Period Ended October 31, 2022  
(Continued)**

		Actual 2021 YTD	Budget 2021	% of Budget	Actual 2020 <i>(Unaudited)</i>	Budget 2020
	<u>Capital:</u>					
06-483-000-000	Capital Repair	-	50,000.00	0.0%	42,624.45	100,000.00
06-483-000-100	Capital Construction	-	-	#DIV/0!	275,442.34	2,700,000.00
06-493-000-083	Depreciation	-	-	#DIV/0!	-	100,000.00
		-	50,000.00	0.0%	318,066.79	2,900,000.00
<b>Total Expenditures before Operations Agreement and Transfers</b>		<b>\$ 1,140,897.57</b>	<b>\$ 1,550,591.00</b>	<b>73.6%</b>	<b>\$ 1,893,080.96</b>	<b>\$ 4,299,756.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ 1,004,342.82</b>	<b>\$ 2,799,489.00</b>	<b>35.9%</b>	<b>889,707.19</b>	<b>3,237,494.00</b>
	<u>Other:</u>					
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	0.0%	-	-
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	102,996.49	235,994.00	43.6%	236,741.36	236,744.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	60,999.73	337,000.00	18.1%	336,198.37	336,200.00
		163,996.22	572,994.00	28.6%	572,939.73	572,944.00
06-492-000-010	Transfer to Sewer Fund	-	-	#DIV/0!	-	-
06-492-000-020	Transfer to Water Resource Protection Fund	-	-	#DIV/0!	-	-
06-492-000-030	Transfer to UUT Capital Fund	350,000.00	-	#DIV/0!	-	-
		350,000.00	-	#DIV/0!	-	-
<b>TOTAL EXPENDITURES</b>		<b>\$ 1,654,893.79</b>	<b>\$ 2,123,585.00</b>	<b>77.9%</b>	<b>\$ 2,466,020.69</b>	<b>\$ 4,872,700.00</b>
<b>OPERATING INCOME</b>		<b>\$ 490,346.60</b>	<b>\$ 2,226,495.00</b>	<b>22.0%</b>	<b>\$ 316,767.46</b>	<b>\$ 2,664,550.00</b>

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

**ASSETS**

<u>Cash</u>		
07-100-000-010	General Checking - Fulton Bank	\$ 32,739.10
07-110-000-200	Fulton Bank - Bond Proceeds	5,074,399.24
	<b>Total Cash</b>	<b>5,107,138.34</b>
<u>Other Current Assets</u>		
07-130-000-001	Due from MA Operating Fund	-
07-130-000-002	Due from UUT General Fund	-
07-155-000-000	Pre-Paid Expenses	-
	<b>Total Other Current Assets</b>	<b>-</b>
<u>Fixed Assets</u>		
06-162-000-001	Fixed Assets	2,580,708.67
06-162-000-050	Accumulated Depreciation	(754,071.23)
06-163-000-100	Phase II Construction Project (CIP)	
	<b>Total Fixed Assets</b>	<b>1,826,637.44</b>
<u>Other Long Term Assets</u>		
06-162-000-002	Excess Treatment Capacity	1,649,293.24
	<b>Total Other Long Term Assets</b>	<b>1,649,293.24</b>
<b>Total Assets</b>		<b>\$ 8,583,069.02</b>

**LIABILITIES AND FUND BALANCE**

<u>Current Liabilities</u>		
07-200-000-020	Accounts Payable	-
07-230-000-010	Due to MA Operating Fund	21,379.48
07-230-000-020	Due to UUT General Fund	7,900.00
07-232-000-700	Due to UUT Sewer Fund	5,205,556.07
07-240-000-000	Accrued Expenses	-
	<b>Total Current Liabilities</b>	<b>5,234,835.55</b>
<u>Equity</u>		
07-272-000-001	Retained Earnings	-
	Current Period Net Income (Loss)	3,348,233.47
	<b>Total Equity</b>	<b>3,348,233.47</b>
	<b>Total Fund Balance</b>	<b>3,348,233.47</b>
<b>Total Liabilities &amp; Fund Balance</b>		<b>\$ 8,583,069.02</b>

Upper Uwchlan Township Municipal Authority  
Capital Fund  
Statement of Revenues and Expenditures  
For the Period Ended October 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	\$ 5,593.73	\$ 4,000.00	139.8%		
07-395-000-100 Transfer from MA Operating Fund	3,983,199.73		#DIV/0!		
			#DIV/0!		
<b>TOTAL REVENUES</b>	<b>\$ 3,988,793.46</b>	<b>\$ 4,000.00</b>	<b>99719.8%</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
07-400-000-355 Bank Fees	873.30	400.00	218.3%		
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!	-	-
	873.30	122,400.00	0.7%	-	-
<u>Capital Construction</u>					
07-483-000-000 Capital Repair	38,624.77	-	#DIV/0!		
07-483-000-100 Capital Construction - Milford Farms	13,273.50	700,000.00	1.9%		
07-483-000-110 Capital Construction - Meadow Creek	52,984.75	750,000.00	7.1%		
07-483-000-120 Capital Construction - Eaglepointe	-	-	#DIV/0!		
07-483-000-130 Capital Construction - Byers Road	534,803.67	785,000.00	68.1%		
07-483-000-140 Capital Construction - Route 100	-	52,460.00	0.0%		
07-483-000-150 Capital Construction - Marsh Harbour	-	12,300.00	0.0%		
07-483-000-160 Capital Construction - St. Andrew's Brae	-	10,000.00	0.0%		
07-483-000-170 Capital Construction - Greenridge	-	-	#DIV/0!		
07-483-000-180 Capital Construction - Lakeridge	-	-	#DIV/0!		
07-483-000-190 Capital Construction - Saybrooke	-	-	#DIV/0!		
07-493-000-083 Depreciation	-	130,000.00	0.0%		
			#DIV/0!		
	639,686.69	2,439,760.00	26.2%	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 640,559.99</b>	<b>\$ 2,562,160.00</b>	<b>25.0%</b>	<b>\$ -</b>	<b>\$ -</b>
<b>OPERATING INCOME</b>	<b>\$ 3,348,233.47</b>	<b>\$ (2,558,160.00)</b>	<b>-130.9%</b>	<b>\$ -</b>	<b>\$ -</b>

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

*Month to Month Change in Receivables and Collections*

	October 2022	September 2022	Change
Beginning Receivable Balance	280,607.76	280,607.76	-
<u>Billings:</u>			
Calculated charges billed	2,613,370.06	1,832,379.57	780,990.49
Billing adjustments			-
Late payment penalty	64,592.53	64,592.53	-
Adjustments	(41,263.78)	(15,946.17)	(25,317.61)
	<u>2,917,306.57</u>	<u>2,161,633.69</u>	<u>755,672.88</u>
<u>Less:</u>			
Collections*	2,110,941.07	1,935,420.38	(175,520.69)
Receivable balance, month end	<u>806,365.50</u>	<u>226,213.31</u>	<u>580,152.19</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)

	10/31/2021	10/31/2022	9/30/2022	8/31/2022	7/31/2022	6/30/2022	3/31/2022	12/31/2021
Number of delinquent accounts	122	108	138	185	103	123	121	141
Total delinquent balance	\$ 122,921	\$ 111,567	\$ 125,274	\$ 148,161	\$ 74,585	\$ 136,207	\$ 145,711	\$ 156,695

2022 Payment Schedule

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

# Clean Water, Inc.

170 Dallas St.  
Box 475  
Atglen, Pa. 19310

---

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

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

November 16, 2022

RE: Report for the November meeting

Dear Authority,

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

## **Route 100**

Work has begun on the Phase 3 sister plant. The concrete pad has been poured. The storage lagoon aerators have been turned off for the season. Typically, they are turned off at the beginning of November, but due to the warmer temps, we pushed that back. The final cut of the season is underway at Upland Farm. Several risers were in need of repair at Ewing. Kappe replaced the soft start at the Primrose/Ewing station. The remote stations were cleaned by McGovern. Predoc was out and replaced a cracked fitting for the air drop at the plant. Mulls Electric fixed a bad surge protector at the Ewing spray pump station. The one at Eagle Hunt will be replaced shortly as well.

## **Eaglepointe**

Influent BOD loadings seem to have gone up. I have collected an influent sample to have a series of tests done on it. I suspect the upcoming holidays may be contributing to this.

## **Marsh Harbour**

Plant is running fine. All that remains from the final cut is to remove the hay. The farmer will be doing that shortly.

## **Lakeridge**

Plant is running well. No major infiltration impact after recent heavy rains.

## **Saybrooke**

Plant is running fine. Sludge was removed.

*Clean Water, Inc. Wastewater Treatment Specialists*

**Greenridge**

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

**St. Andrews**

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

Larry Hepner will be out soon to collect soil samples for the crop management reports that he does annually. W.G. Malden calibrated all of the meters for the sites.

That is all for now, please call with any questions. Please enjoy the upcoming Holiday Season!

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: November 17, 2022

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

### Byers Station

**Village at Byers Station (5C), Lot #2, Residential (2A):** ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFPM) package. The Developer's engineer submitted a 9,025 gpd sanitary sewer capacity request at the Route 100 WWTP facility. ARRO reviewed the Amended Final PRD Plans submitted by Bohler Engineering and prepared a February 27, 2018 letter to the Township with comments to the Plans. Sewage Facilities Planning Modules were sent to PADEP on April 18, 2018. ARRO reviewed Amended Final PRD Plans, last revised May 7, 2018, and submitted a May 30, 2018 letter to the Township containing comments to the Plans. Additional revised Plans were submitted on July 12, 2018 and are currently under review. The PADEP SFPM approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019

comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors' meeting, it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. The Authority Administrator sent a December 9, 2019 letter to PADEP with responses to comments contained in the October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020 letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project. ARRO received revised land development plans, dated October 8, 2020. ARRO reviewed the plans and had no additional comments to the sanitary sewer portions of the plans. ARRO reviewed the sanitary sewer escrow submitted on October 12, 2020 by Toll Brothers. ARRO prepared an October 13, 2020 letter to the Township stating it had no comments to the \$147,396.00 sanitary sewer escrow estimate. The project's preconstruction meeting was held on October 21, 2020. Work to clear and rough grade the site is expected to start at the beginning of November 2020. Sanitary sewer installation is not expected to start until February 2021. Toll Brothers submitted the project's site sanitary sewer construction bond to the Township. ARRO reviewed and commented on sanitary sewer shop drawings submitted by the site contractor, Lyons & Hohl. Toll Brothers' 55 townhomes (Lot 2A, Residential), rated at 185 gpd each, has a total sewage flow of 10,175 gpd. Toll submitted certification to ARRO documenting the repurchase of 6,560 gpd Toll originally sold to Byers Retail Acquisition Limited Partnership for the previously proposed commercial improvements of the parcel. Toll will purchase the remaining 3,615 gpd it needs at \$70 per gallon for treatment and disposal. The total amount due from Toll to Upper Uwchlan Township Municipal Authority being \$253,050 as a single, upfront payment to the Authority. According to the Township Finance Department, Toll Brothers has paid the Township the \$253,050.00 for the 55 townhomes (Lot 2A, Residential) treatment and disposal costs. Installation of sanitary sewer is tentatively scheduled to start on January 25, 2021. Sanitary sewer construction started on January 26, 2021. Sanitary sewer construction continues. Toll Brothers submitted sewer escrow release request No. 1 in the amount of \$119,330.00. ARRO reviewed the quantities and prepared an April 12, 2021 letter to the Township recommending release of the requested amount. All sanitary sewer is installed, but not been completely tested. Sanitary sewer manholes installed as part of Lot #1, but within Lot #2, remain to be vacuum tested now that paving has been placed around their manhole frames. Installation of the gravity house service line to each new townhome started in May 2021. Through November 4, 2021 fourteen house service lines have been installed and tested.

Installation of the last gravity house service line to each new home was completed on November 7, 2022.

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

Nothing new to report.

**Byers Station (6C), Vantage Point (a.k.a. Fieldstone at Chester Springs):** The Developer's engineer submitted a request for 43 EDUs (9,500 gpd) of sanitary sewer capacity at the Route 100 WWTP facility. The Authority Administrator sent a February 20, 2018 letter to D. L. Howell stating there is sufficient capacity at the Route 100 WWTP facility for the proposed 9500 gpd from the project. ARRO reviewed the project's Sewage Facilities Planning Module (SFPM). The module shows a request for 45 EDUs (10,000 gpd) of sanitary sewer capacity. SFPM Component 3 Section G and J were signed. The Pennsylvania Historical and Museum Commission clearance letter and Aqua water service letter have been received for the Sewage Facilities Planning Module (SFPM). On April 18, 2018, the Township forwarded SFPM Components 4B and 4C to the Chester County Planning Commission and Health Department. ARRO reviewed Land Development Plans, plotted April 6, 2018, and submitted an April 30, 2018 letter to the Township containing comments to the Plans. The SFPM is complete and a resolution to accept the document was placed on the Board of Supervisors' August 20, 2018 agenda. The SFPM application package was submitted to PADEP. ARRO prepared a September 6, 2018 sanitary sewer review letter to the latest Land Development Plans submitted by D.L. Howell, last revised August 13, 2018. ARRO received on December 5, 2018 the latest Land Development Plans, last revised November 30. ARRO will submit a sanitary sewer review letter the week of December 10. ARRO prepared and sent to the Township a December 14, 2018 sanitary sewer review letter to the December 5, 2018 Land Development Plans. ARRO received and reviewed the sanitary sewer portion of land development plans Revision No. 3, dated June 21, 2019. The plans show a dedicated sanitary sewer manhole in Byers Road to be installed when the Byers Road sewer extension project is constructed. ARRO prepared and sent a July 5, 2019 review comments letter to the Township. PADEP issued a July 23, 2019 with three (3) items missing from the submitted SFPM. The Authority sent PADEP an August 23, 2019 letter in response to PADEP's July 23, 2019 letter containing three comments to the project's SFPM. The UUT Board of Supervisors at its September 16, 2019 meeting executed the amended Tentative Approval Decision to permit Parcel 6C to be developed as a senior living facility. PADEP issued a November 7, 2019 letter approving the Official Plan revision for the construction of the 101-unit retirement living apartment unit at 10,100 gpd sewage volume. ARRO reviewed the latest revision to the Vantage Point Retirement Living land development plans, dated December 6, 2019. ARRO issued a January 6, 2020 review comments letter to the Township. ARRO is reviewing the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020. ARRO prepared a March 6, 2020 review comments letter regarding the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020. On March 16, 2022, ARRO received updated land development design drawings. ARRO is in the process of reviewing the drawings to confirm they address ARRO's March 6, 2020 comments. On March 16, 2022, ARRO received updated land development design drawings. ARRO is in the process of reviewing the drawings to confirm they address ARRO's March 6, 2020 comments. ARRO reviewed the updated land development design drawings and had further comments to the drawings, which were transmitted on April 21, 2022. ARRO prepared a May 24, 2022 letter to the Developer's engineer documenting sufficient capacity within the Route 100 Regional WWTP for the proposed development's 10,600 gpd flow. Furthermore, ARRO reviewed the revised Component 3 for the project. ARRO reviewed revised land development drawings and construction cost breakdown for the sanitary sewer portion of the project and submitted comments to the documents on June 15, 2022. ARRO reviewed and commented on the sanitary sewer portion of the July 8, 2022 land development drawing. ARRO is assisting the Developer's engineer with the PennDOT highway occupancy permit. ARRO is assisting the Developer's engineer with the PADEP Sewage Facilities Planning Module preparation. On September 13, 2022, ARRO participated in the project pre-construction meeting. ARRO reviewed and commented on the project's initial sanitary sewer shop drawings.

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 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.

**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.

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

Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. The evaluation is substantially complete with the exception of emergency generator assessment. ARRO continues an evaluation of Upland Farms drip disposal to ascertain the facility's capability to store and dispose the Fetter Tract effluent. ARRO reviewed the Sewage Facilities Planning Module (SFPM) and is working on the sanitary sewer review. The Authority Administrator signed the SFPM Component 3 Sections G and J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. ARRO reviewed the latest revised Water Quality Management Part II Permit application package received August 21, 2019 from Ebert Engineering. ARRO has no further comments to Ebert's permit application, only ARRO comments remain to be addressed on E. B. Walsh's land development drawings regarding the lining of low-pressure force main discharge manholes. Ebert Engineering sent to PADEP the WQM Part II Permit Application package by transmittal letter dated October 3, 2019. On October 15, 2019 ARRO received from E. B. Walsh the latest Subdivision and Land Development Plan drawings entitled "The Preserve at Marsh Creek" along with a response letter to previous plan review comments. ARRO will review and comment on the sanitary sewer portion of the latest drawings. ARRO reviewed and on November 1, 2019 issued comments to the Phases 1 and 1A sanitary sewer escrow calculations as submitted by the McKee Group. McKee Group issued revised escrow calculations on November 15, 2019 in response to ARRO comments. The Preserve at Marsh Creek preconstruction meeting was held on December 4, 2019. Site survey and erosion control measures work will be starting within two weeks. ARRO has requested a schedule of sanitary sewer installation work from the site contractor. PADEP issued the WQM permit, dated November 25, 2019, for the low-pressure sanitary sewer with individual grinder pumps and for the upgrade to the Reserve at Eagle Pump Station No. 1 required as part of the project. McKee Group held a February 5, 2020 meeting with its engineers and contractor. Discussions included forthcoming designs for the piping between the Preserve drip fields and Upland Farms pump station, revisions to gravity sanitary sewer around Reserve at Eagle PS #1, and the Route 100 Regional WWTP Phase III expansion. McKee expects submission of the Phase III expansion design around May 2020, not March 2020 as stipulated in the Agreement for Expansion of the Route 100 Central WWTP. ARRO had a February 12, 2020 meeting with Keystone Engineering at the Reserve at Eagle PS #1 to discuss electrical revisions to the station in support of the upgrade necessary to carry McKee flows. ARRO continues reviewing the project's sanitary sewer materials shop drawings. Site contractor construction schedule shows start of sanitary sewer installation as the last week of February 2020. Site contractor started sanitary sewer installation on March 4, 2020. Site contractor suspended sanitary sewer installation work due to coronavirus restrictions. On May 1, 2020 Ebert Engineering submitted initial plans for the Reserve at Eagle Pump Station Upgrade. ARRO transmitted a May 12, 2020 email to Ebert Engineering with review comments to Reserve at Eagle Pump Station Upgrade plans. ARRO received an email from Ebert Engineering that the initial submission of the Upland Farms drip pump station upgrade and Fetter's site drip field

design would be submitted during the week of May 25. On June 12, 2020 ARRO received from Ebert Engineering the initial submission of the Feters 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 Feters 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 Feters 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 the gravity house service line to each new home continues as required.

Installation of Feters 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.

### **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 grant funding. The Authority will need to execute a resolution prepared by ARRO for the grant funding.

### **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 dishd did show a few areas of sag in the piping, but the sags were minor in nature and not considered to have caused the paving irregularity. ARRO requested a proposal from its surveyor to prepare the initial survey for the Moore Road and Ivystone Drive sanitary sewer extension design. ARRO received a proposal from its surveyor for the initial survey of Moore Road and Ivystone Drive in support of the sanitary sewer extension design. After negotiation ARRO agreed on a \$7200 price, which was approved by the Authority Administrator. ARRO received Moore Road and Ivystone Drive survey drawing data and in the process of incorporating the information into the sanitary sewer extension design drawings. ARRO continues to prepare draft Moore Road sanitary sewer extension design drawings. ARRO is examining the extension of sanitary sewer to serve all Walter Court homes. ARRO prepared a draft letter to property owners that have sewer easements along the creek informing them of future I&I televising. On July 12, 2022 ARRO received an \$1850 proposal to televise the 3200 LF of sanitary sewer. The Authority Administrator approved the proposal. Televising is planned for September – October 2022.

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

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

Nothing new to report.

### **Marsh Harbour**

Nothing new to report.

### **Reserve at Eagle**

Nothing new to report.

**Route 100 WWTP**

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

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.

### **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, 2022 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.

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

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.

### **Saybrooke**

Nothing new to report.

### **St. Andrews Brae**

Nothing new to report.

### **Upland Farms**

Nothing new to report.

### **Waynebrook**

Nothing new to report.

### **Windsor Ridge**

Nothing new to report.

### **Miscellaneous**

**Active Adult Community, 100 Greenridge Road** – On January 7, 2021 the Authority Administrator and ARRO met with a developer to discuss the sanitary aspects for a potential 78 ea. lot active adult community situated over a 58.94-acre total site area at 100 Greenridge Road. A sketch of the proposed site and a ChescoViews satellite image of the site is attached to the January 20, 2021 Project Status Report. On June 4, 2021 the Authority Administrator and ARRO met with Toll Brothers regarding this project. ARRO reviewed the project's conditional use application and prepared a September 7, 2021 letter to the Township. The Developer is proposing 64 single-family lots with a required sanitary sewer capacity of 14,400 gallons per day. The proposed subdivision will be serviced by the Route 100 Regional WWTP with drip field irrigation disposal to be offered for dedication to the Township. ARRO reviewed the project's revised conditional use plans, dated October 4, 2021, and submitted an October 27, 2021 comments letter to the Township. A Conditional Use meeting is scheduled for February 22, 2022. The February 22, 2022, Conditional Use meeting is scheduled to continue on March 29, 2022. A March 29, 2022, Conditional Use meeting was held for the project. There were discussions with the Authority Administrator and ARRO regarding combining flows from Meadow Creek and 100 Greenridge Road and sending the combined flow to the Route 100 Regional WWTP for treatment and disposal.

Nothing new to report.

### **Village of Eagle**

**Byers Road Sanitary Sewer Extension** - ARRO preliminary planning for sanitary sewer along Byers Road between Pottstown Pike and Senn Drive was submitted to the Authority Administrator for review and comment. ARRO is preparing the Sewage Facilities Planning Module Component 3M for the sanitary sewer along Byers Road between Pottstown Pike and Senn Drive. ARRO received a completed Component 4A from the Township on

October 19, 2017. At the request of the Chester County Health Department, on January 9, 2018, ARRO sent another Sewage Facilities Planning Module Component 3M letter to CCHD for the sanitary sewer extension along Byers Road between Pottstown Pike and Senn Drive. In February 2018 letters were sent to the property owners who will be connected to the new Byers Road sanitary sewer informing them that the project's survey will be commencing. ARRO is continuing to prepare drawings and construction specifications for the sanitary sewer extension. The project's survey work was completed in early March 2018. ARRO has the survey information for inclusion in the plans. ARRO has the design plans and specifications in the final stage of completion. ARRO submitted the highway occupancy permit to PennDOT on April 16, 2018. There were no public comments to the sewage facilities planning module (SFPM) and the Board of Supervisors passed a resolution approving the submission of the SFPM to PADEP. ARRO submitted the Sewage Facilities Planning Module to PADEP on April 27, 2018. Comments from PADEP are expected within sixty (60) days. PennDOT has approved the highway occupancy permit plans and requires payment of \$810 for inspection observation prior to release of the permit. PADEP transmitted its comments to the Sewage Facilities Planning Module by letter dated June 21, 2018. ARRO is in the process of addressing each of the PADEP comments. The PennDOT Highway Occupancy Permit for the project has been received. ARRO submitted an August 6, 2018 letter to PADEP addressing each PADEP comment from its Sewage Facilities Planning Module review letter, dated June 21, 2018. PADEP transmitted a September 5, 2018 letter with additional comments to Sewage Facilities Planning Module. ARRO submitted a response letter addressing each concern on October 17, 2018. PADEP transmitted a November 14, 2018 letter with additional comments to the Sewage Facilities Planning Module. ARRO is reviewing the letter and will address each comment in a future letter. The Authority Administrator sent a December 20, 2018 letter to PADEP containing responses to PADEP's November 14, 2018 comments to the Sewage Facilities Planning Module. ARRO sent an email to PADEP on January 31, 2019 requesting approval of the Byers Road Sanitary Sewer Extension Sewage Facilities Planning Module. As of March 20, 2019, no response has been forthcoming from PADEP. ARRO is proceeding with preparation of finishing plans and specifications for the bidding of the project. Regarding the Byers Road Sanitary Sewer Extension SFPM and the December 20, 2018 letter sent by the Authority to PADEP, PADEP responded with an April 5, 2019 letter to the Township. PADEP said the December letter did not sufficiently address all of PADEP's concerns with sewage disposal needs identification in the project area. PADEP wants the needs identification submitted by September 3, 2019. ARRO prepared letters that were delivered to property owners in the Byers Road sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School. ARRO submitted documents to PennDOT to extend the Byers Road HOP to July 10, 2020 and was granted the extension by PennDOT. At the request of PADEP, on September 26, 2019 ARRO submitted to PADEP a study and \$522,000 cost opinion for potentially providing sewer service to an additional sixteen (16) lots east of the proposed Byers Road Sanitary Sewer Extension terminal manhole. PADEP responded that they will review the study information. ARRO has started preparing a sanitary sewer grant application under the Pennsylvania Department of Community & Economic Development (DCED) H2O PA grant program for the Byers Road Sanitary Sewer Extension project. By letter dated November 7, 2019 PADEP issued Byers Road Sanitary Sewer Extension SFPM approval. ARRO is continuing to prepare and will submit a sanitary sewer grant application under the DCED H2O PA grant program for the Byers Road Sanitary Sewer Extension project. The Byers Road grant application was submitted on December 12,

2019. Action on the application is not expected until May or June 2020. ARRO received a June 12, 2020 email from DCED that the grant application will not be reviewed until September 2020; however, they wanted a timeline for the project after September, which ARRO prepared and submitted. ARRO prepared a PennDOT HOP permit extension for the project. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. DCED awarded a \$463,000 grant for the Byers Road Sanitary Sewer Extension project. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is in communication with DCED regarding proceeding to the bid phase of the project. The DCED grant agreement has been signed. ARRO contacted DCED and they have no issues with bidding the Route 100 sewer crossing as an alternate. Project bid advertising is tentatively set for December 2020 with a January 2021 bid opening. The Byers Road Sanitary Sewer Extension project was first advertised on December 14, 2020 with a second advertisement set for December 21, 2020. A pre-bid meeting is scheduled for January 5, 2021 and bids are due January 15, 2021. Six bids for the Byers Road Sanitary Sewer Extension project were submitted on January 15, 2021. The apparent low bidder is Highway Materials, Inc. with a Total Extended bid of \$637,504.30, which includes the cost of the Alternate "A" - Sewer Extension Across Route 100. ARRO is in the process of reviewing the bids. As DCED grant funding is involved approvals are subject to DCED concurrent approval. The notice of intent to award and other contract documents have been sent to Highway Materials for execution. ARRO is awaiting return of the executed documents along with bonds and insurance. ARRO reviewed and approved the bonds and insurance documents submitted by the contractor. ARRO recommends the Authority execute the Agreement, after which ARRO will schedule the project preconstruction meeting. ARRO reviewed a land development plan for 164 Byers Road., which specifies a connection to the Byers Road Sanitary Sewer Extension, but will set up Pump & Haul until the sewer extension is complete. By letter dated April 19, 2021 ARRO issued the Notice to Proceed to Highway Materials. Start of Contract Time will be May 12, 2021 with the project to be substantially completed by September 9, 2021. ARRO will schedule the project preconstruction meeting in early May 2021. On May 13, 2021, ARRO conducted the project preconstruction meeting with Highway Materials. Highway Materials has started to submit its shop drawings to ARRO for review and approval. ARRO prepared a letter informing affected property owners of the upcoming work. ARRO also prepared a letter informing affected property owners of a stake placed in each yard identifying the design location of the property lateral and stating the stake may be relocated by the property owner if desired. Construction is anticipated to start on July 2021. On August 10, 2021, Highway Materials indicated to ARRO that it is having issues obtaining SDR-35 PVC pipe for the project, which is currently in limited supply and its cost has risen substantially. Highway Materials asked if the Authority would accept a not-to-exceed \$7500 change order as half of the increased pipe costs. If the change order is acceptable, they could obtain pipe and start construction in early September 2021. Highway Materials initiated construction the week of September 7th. Much of the trench saw-cutting has been completed and Highway Materials is currently installing sewer and manholes in the area of Eagle Farms Road. Highway Materials has completed approximately 75 percent of the sewer within Eagle Farms Road. Portions of the existing 42-inch CMP storm sewer pipe within Eagle Farms Road needed to be exposed for the sanitary sewer main installation; however, the pipe was so badly deteriorated it could not be safely supported during the sanitary sewer main installation, nor could the pipe be removed and replaced after sewer main installation due to



its condition. Replacement of the existing 42-inch CMP with 36-inch RCP is proposed. The 36-inch RCP will allow similar flow capacity to the 42-inch CMP and will permit reuse of the existing storm sewer precast concrete structures. The additional cost for replacing 256 LF of storm sewer pipe is \$117,604 or \$459.39/LF. ARRO anticipates this cost will be eligible for 50% funding reimbursement and intends to submit the cost to DCED at the appropriate time. ARRO recommends a change order be granted for the storm sewer work. Additionally, ARRO recommends approving a time extension to late November for substantial completion, with final paving likely delayed until Spring 2022. A detour plan was required by PennDOT for the work east of Graphite Mine Road. ARRO prepared the detour plan and submitted it to PennDOT. PennDOT approved the plan and Highway Materials restarted sanitary sewer installation in Byers Road on November 15, 2021. Highway Materials has completed the installation of all sanitary sewer main and laterals in Byers Road and Eagle Farms Road. Testing of the sanitary sewer along with final paving and restoration remains to be completed. ARRO has prepared a draft letter that will be sent to all property owners advising them of the tentative schedule of remaining work and when they can start to connect to the sanitary sewer system. A copy of the draft letter is attached to this report for the Authority's review and comment. Highway Materials has completed testing of the sanitary sewer. Final manhole vacuum testing along with final paving and restoration will begin in late March 2022. Final manhole vacuum testing along with final paving and restoration will begin in May 2022. Final paving and restoration were completed. Testing of all manholes remains to be completed along with manhole PVC lining and some other punchlist items. No current application for payment has been submitted. A change order needs to be prepared and certified payrolls need to be submitted by the contractor. ARRO prepared and submitted to the Authority Administrator capacity requirements for the future connected properties. ARRO submitted a July 21, 2022 letter to the Authority recommending payment to Highway Materials for the \$327,711 Application for Payment No. 3. On September 8, 2022, a letter was sent to each property where a new sewer lateral was placed directing the property owner to connect to the sanitary sewer system. Property owners have already started to pull permits for their respective work.

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

**Milford Farms** – ARRO had survey completed on Surrey Lane and Carriage Drive, and on portions of Font Road and Milford Road, as preliminary to the sanitary sewer design for residential homes along these roads. Survey indicated Milford Road gravity sewers would be untenable due to existing grades. ARRO completed a preliminary design for gravity sewer within Surrey Lane, Carriage Drive and the portion of Font Road between Surrey and Carriage. A small wastewater pump station will be needed. The pump station is proposed to be located at the intersection of Font Road and Milford Road and its force main would be connected to an existing force main located in Font Road serving three homes on the Milford Road dead-end. ARRO prepared presentation graphics of the proposed sewer for the Authority Administrator. ARRO prepared letters that were delivered to property owners in the Milford Farms sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School. ARRO is proceeding with the preparation of the sanitary sewer design drawings and specifications for project's submission to PADEP. ARRO is creating Milford Road and Byers Road sanitary sewer informational documents for the Township's website. ARRO is reviewing the planning module application and getting it ready for Authority and Township signatures before its submission to PADEP. ARRO submitted the planning module application to PADEP on May 10, 2020. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is working on completing the design drawings and specifications for the project. On September 18, 2020 planning module approval was received from PADEP. ARRO is continuing to prepare the WQM Part 2 permit for the proposed pump station as well as the plans and specifications. ARRO intends to

soon submit the WQM Part II permit application package to PADEP. A \$500 fee to the Commonwealth of Pennsylvania is required as part of the permit application. ARRO submitted the Part II permit application to PADEP on February 15, 2021. ARRO received the WQM Part II permit from PADEP via email on June 4, 2021. ARRO is revising the Milford Farms pump station easement drawing to comply with the property owner's request to reduce the easement width from 50 feet to 30 feet. ARRO revised the Milford Farms pump station easement drawing to comply with the property owner's request to reduce the easement width from 50 feet to 30 feet. ARRO is securing the services of an appraiser for the pump station easement. ARRO is working to put together the survey, legal description and appraisal package for the Milford Farms pump station in a Font Road property easement. On September 1, 2022, an appraisal report package prepared by William Wood Company for the Milford Farms pump station in a Font Road property permanent easement was received in the amount of \$1,500.00.

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 shown in the Agreement. ARRO is in the process of preparing the requested drawing.

ARRO is in the process of preparing to apply for project H2O grant funding. The Authority will need to execute a resolution prepared by ARRO for the grant funding.

**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.

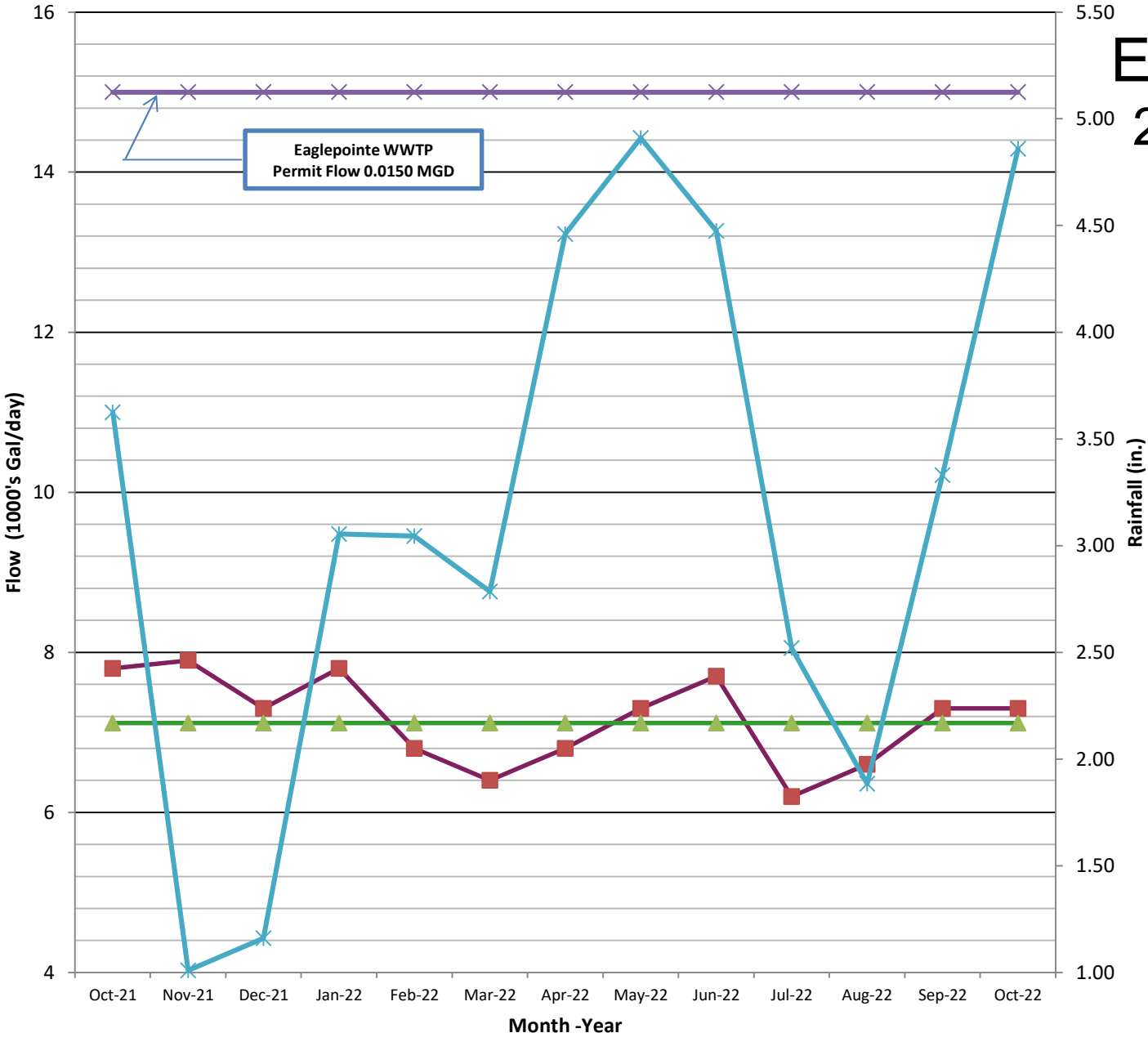
ARRO determined that 1 EDU was required for the project. A land development plan was submitted for review on November 16, 2022.

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

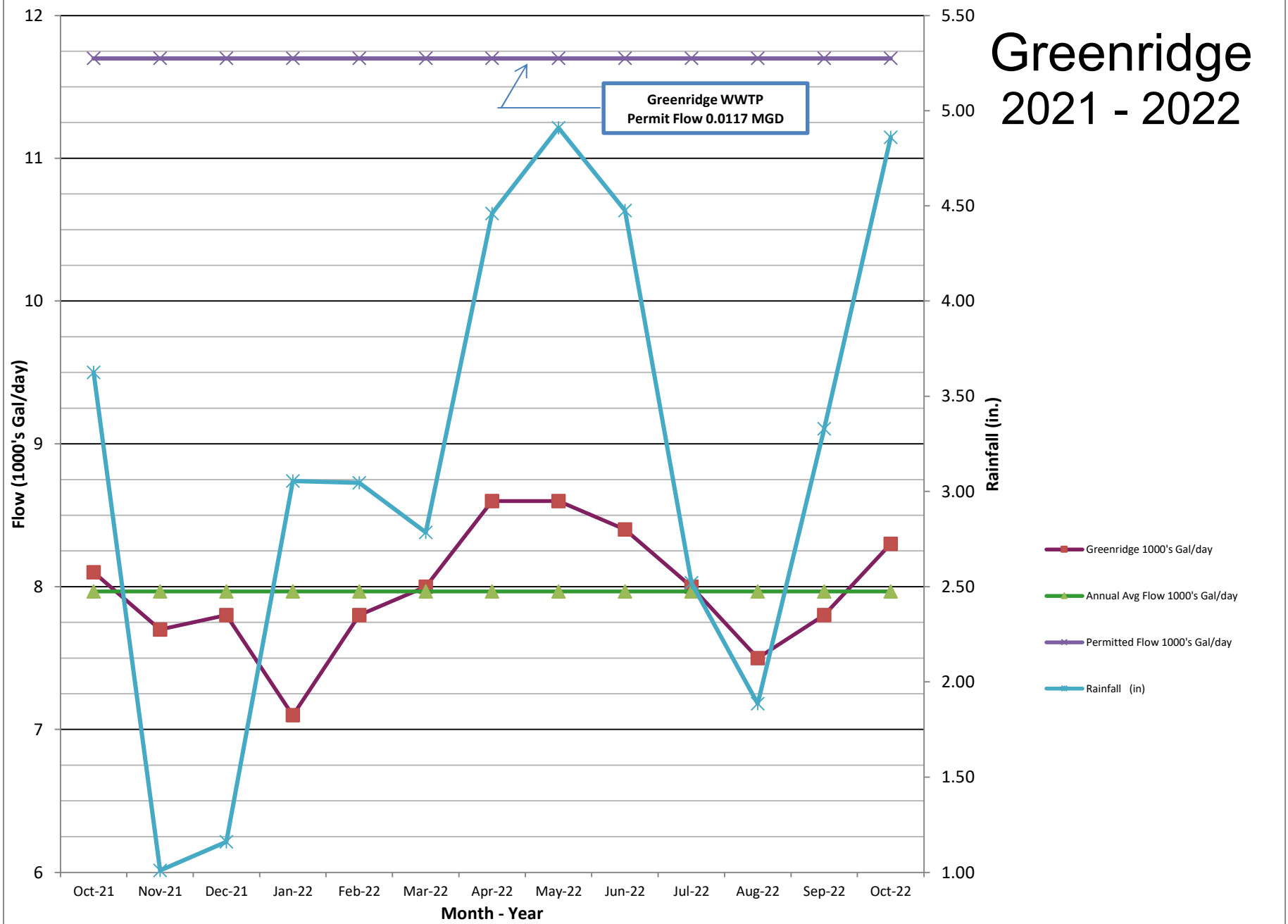
**UPPER UWCHLAN MUNICIPAL AUTHORITY  
WASTEWATER TREATMENT PLANTS  
MONTHLY AVERAGE DAILY FLOWS**

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Oct-21		0.00780	0.00810	0.02290	0.03630	0.37410	0.00780	0.00190	3.63
Nov-21		0.00790	0.00770	0.02330	0.03580	0.37750	0.00740	0.00170	1.01
Dec-21		0.00730	0.00780	0.02430	0.03610	0.37090	0.00730	0.00180	1.16
Jan-22		0.00780	0.00710	0.02440	0.03650	0.38300	0.00700	0.00200	3.06
Feb-22		0.00680	0.00780	0.02450	0.03490	0.39630	0.00720	0.00200	3.05
Mar-22		0.00640	0.00800	0.02400	0.03490	0.39500	0.00800	0.00220	2.79
Apr-22		0.00680	0.00860	0.02540	0.03570	0.41520	0.00810	0.00240	4.46
May-22		0.00730	0.00860	0.02540	0.03700	0.37390	0.00840	0.00190	4.91
Jun-22		0.00770	0.00840	0.02250	0.03530	0.38780	0.00850	0.00130	4.48
Jul-22		0.00620	0.00800	0.02180	0.03600	0.37010	0.00760	0.00110	2.52
Aug-22		0.00660	0.00750	0.02160	0.03500	0.37540	0.00770	0.00110	1.89
Sep-22		0.00730	0.00780	0.02190	0.03250	0.38660	0.00750	0.00140	3.33
Oct-22		0.00730	0.00830	0.02400	0.03370	0.38700	0.00780	0.00210	4.86
<b>Annual Avg Flow =</b>		<b>0.00712</b>	<b>0.00797</b>	<b>0.02359</b>	<b>0.03528</b>	<b>0.38489</b>	<b>0.00771</b>	<b>0.00175</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>	

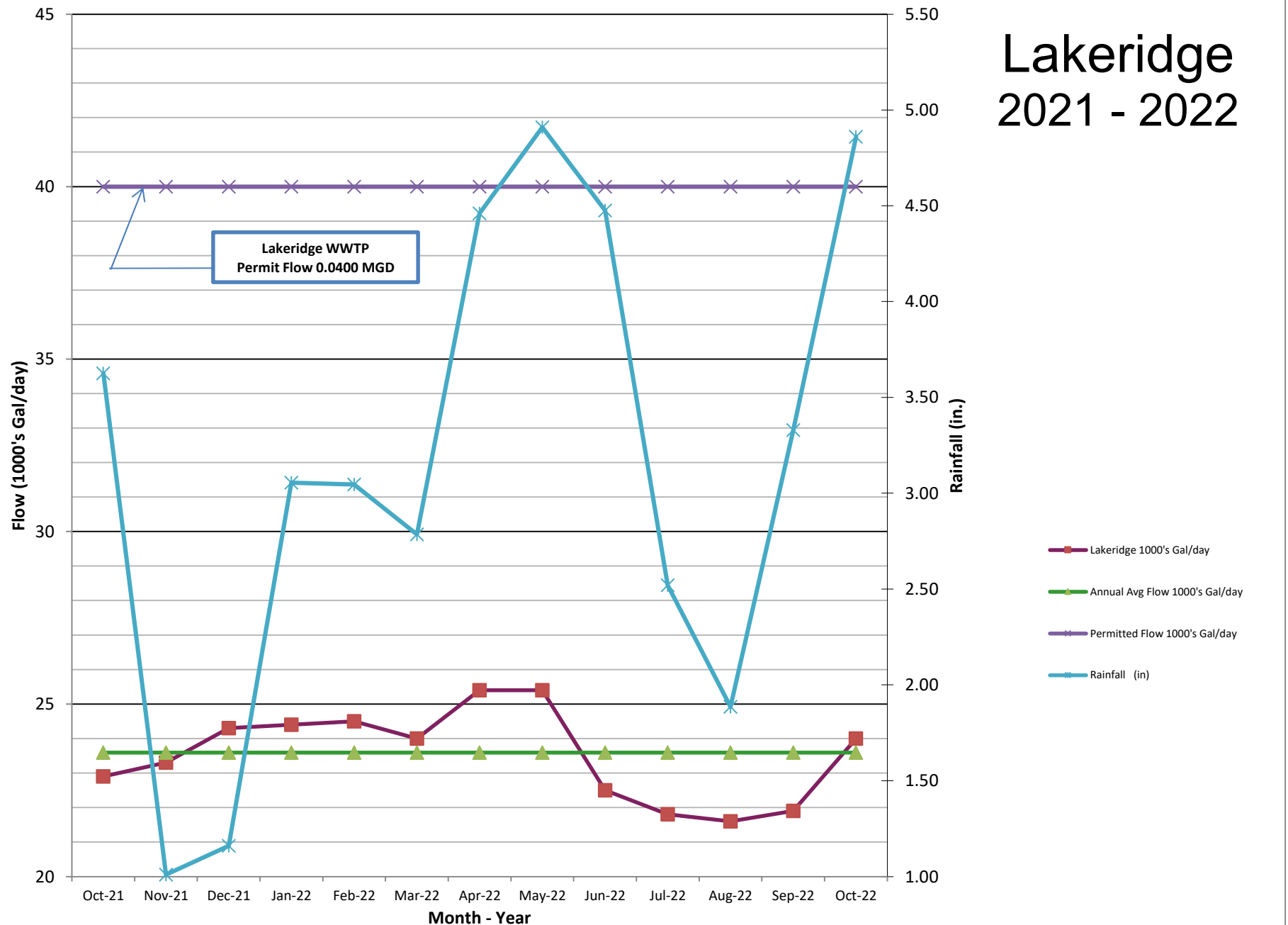
# Eaglepointe 2021 - 2022



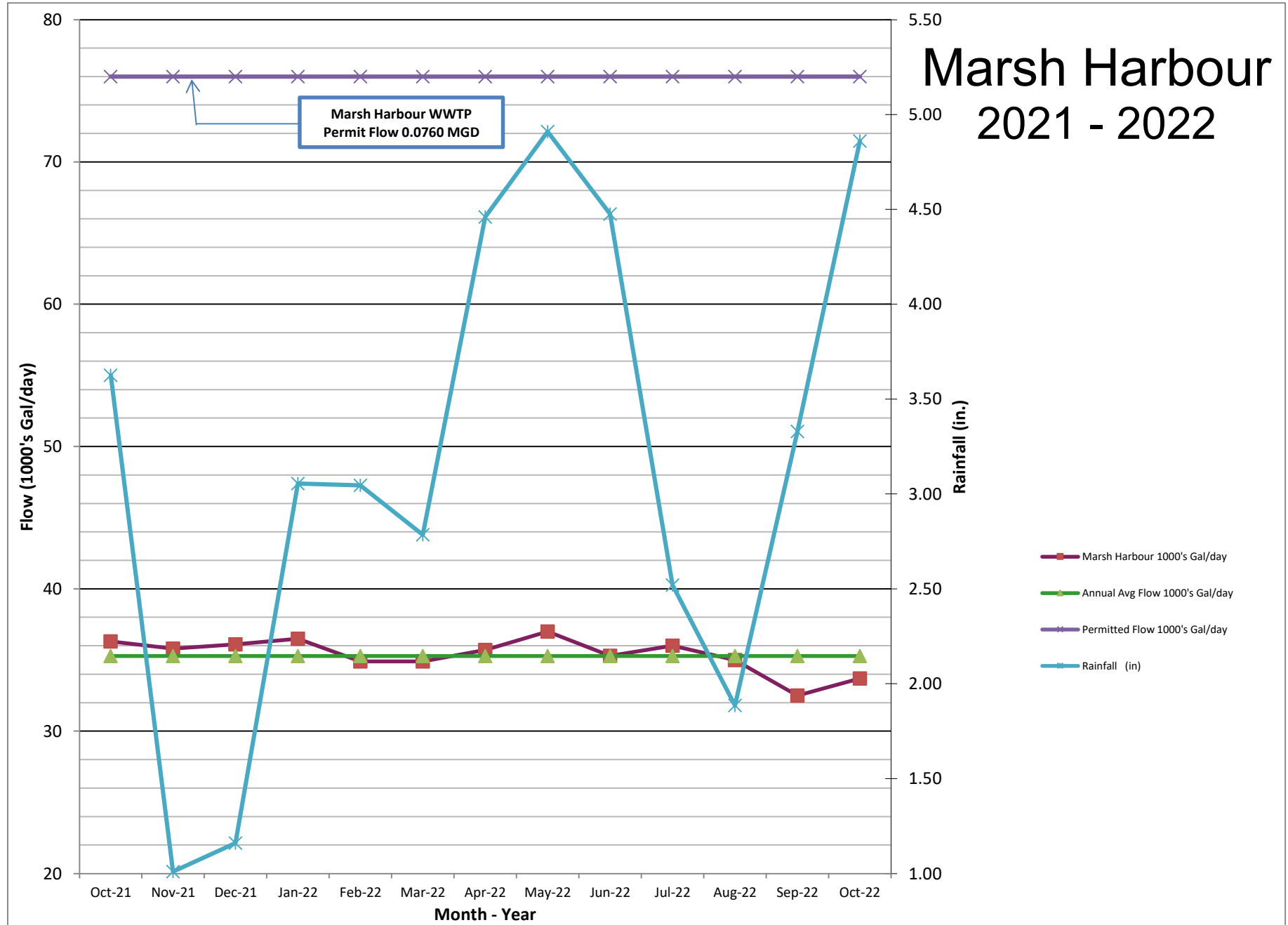
# Greenridge 2021 - 2022



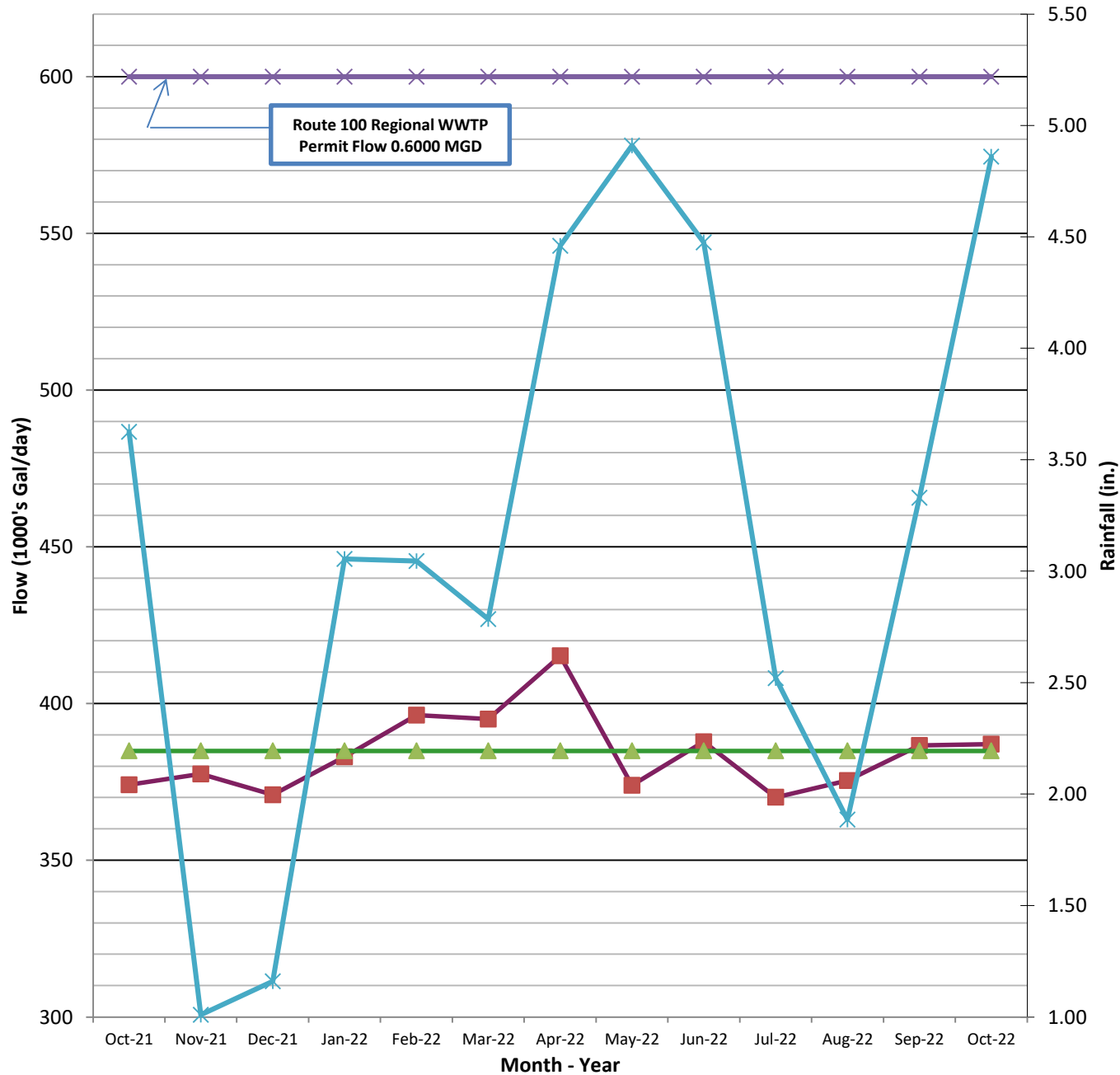
# Lakeridge 2021 - 2022



# Marsh Harbour 2021 - 2022

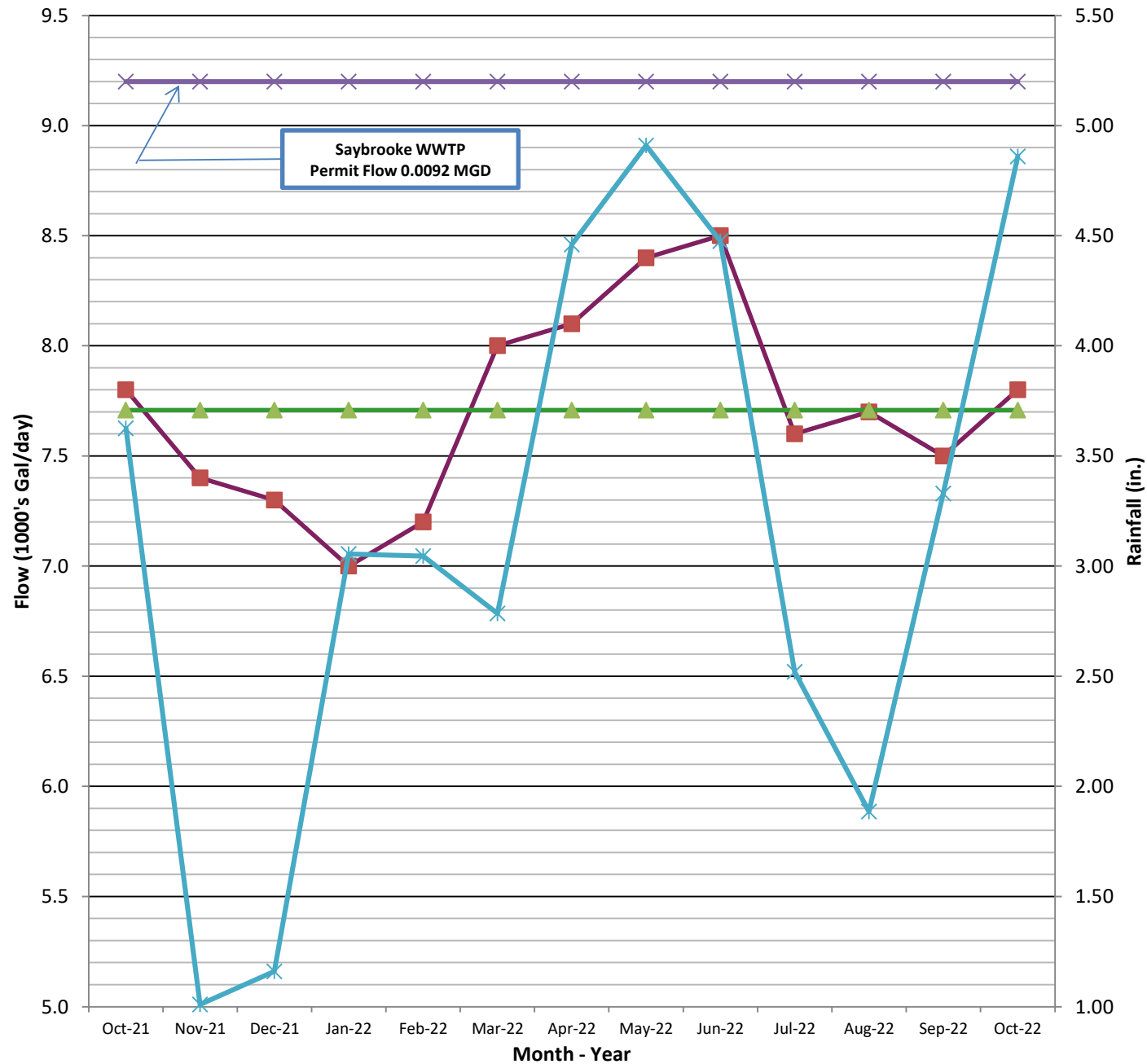


# Route 100 2021 - 2022

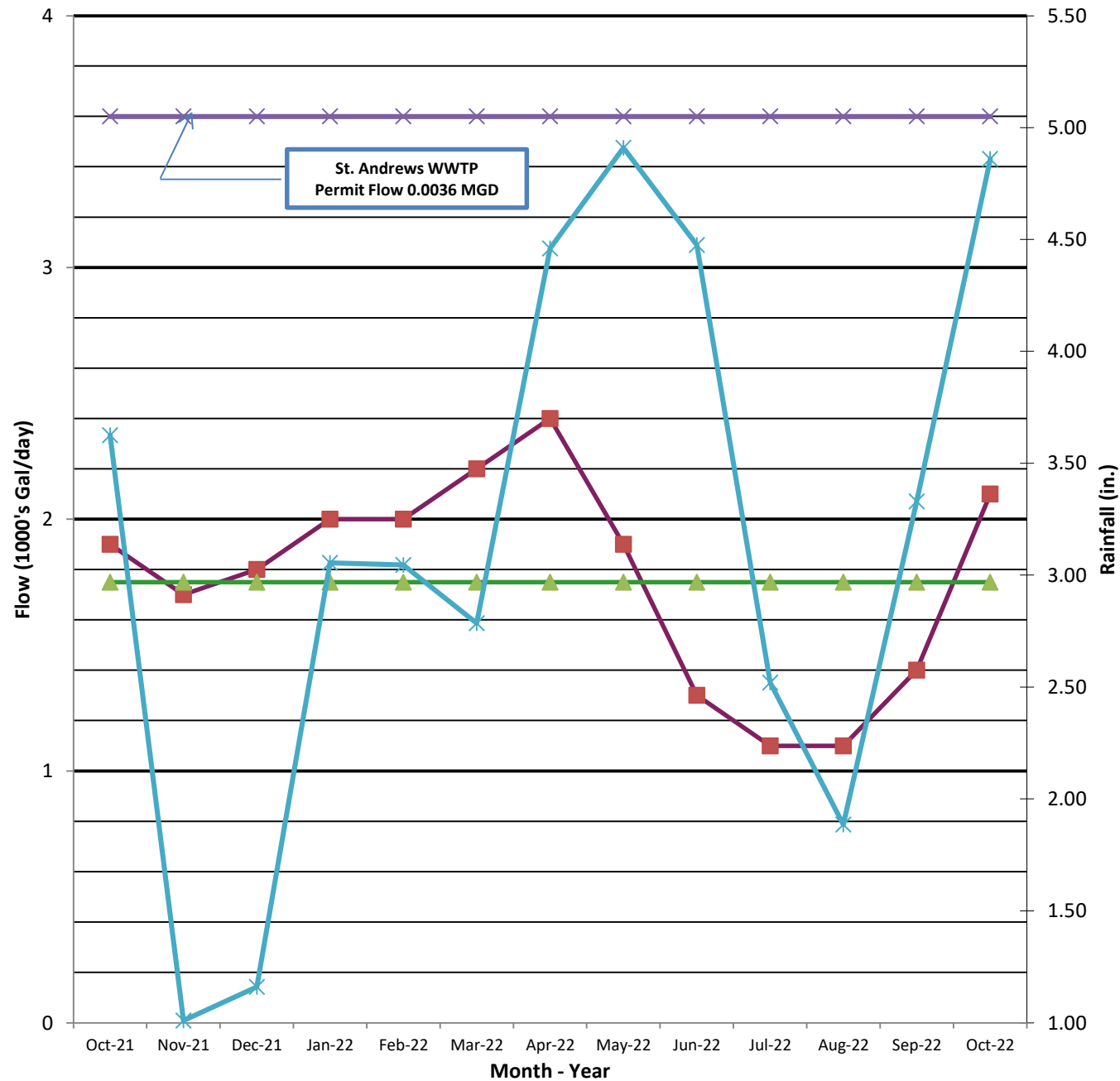




# Saybrooke 2021 - 2022



# St. Andrews 2021 - 2022





To: Municipal Authority Members

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

Re: Authority Administrator's Report

Date: November 11, 2022

Activities for the month of October included:

- A. Communication with WWTF Operator, ARRO, Solicitor and Township Staff regarding operational and maintenance issues. (42.0 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Communication with McKee, DEP, ARRO and the contractor regarding the upgrade to the Route 100 WWTF and the Upland Farms disposal infrastructure. (8.0 hours)
- D. Communication with residents regarding connection to the Byers Road sewer main. (1.0 hours)
- E. Communication with ARRO, Solicitor and homeowner regarding the right-of-way needed for a new pump station on Font Road as part of the Milford Farms extension. (1.0 hours)
- F. Communication with DEP and ARRO regarding the Meadow Creek sewer extension. (4.0 hours)

Please advise if you have any questions or comments.



UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY  
CHESTER COUNTY, PENNSYLVANIA

RESOLUTION NO. 11-22-22-23

**REQUEST OF H2O PA GRANT FUNDS**

Be it RESOLVED, that the **Upper Uwchlan Township Municipal Authority** (Name of Applicant) of **Chester County** (Name of County) hereby requests an H2O PA grant of **\$3,248,000** from the Commonwealth Financing Authority to be used for the **Milford Farms Sanitary Sewer Extension Project**.

Be it FURTHER RESOLVED, that the Applicant does hereby designate **G. Matthew Brown, P.E., DEE, Authority Administrator** (Name and Title) as the official to execute all documents and agreements between the **Upper Uwchlan Township Municipal Authority** (Name of Applicant) and the Commonwealth Financing Authority to facilitate and assist in obtaining the requested grant.

RESOLVED AND ENACTED this 22nd day of November, 2022.

UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY

\_\_\_\_\_  
Authority Member Name, Title

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

I, **Gwen A. Jonik**, duly qualified Secretary of **Upper Uwchlan Township, Chester County** (Name of County) hereby certify that the foregoing is a true and correct copy of Resolution No. 11-22-22-23 duly adopted by a majority vote of the **Upper Uwchlan Township Municipal Authority** (Governing Body) at a regular meeting held on November 22, 2022 (Date) and said Resolution has been recorded in the Minutes of the **Upper Uwchlan Township Municipal Authority** (Applicant) and remains in effect as of this date.

IN WITNESS THEREOF, I affix my hand and attach the seal of the **Upper Uwchlan Township**, this \_\_\_\_ day of November, 2022.

(SEAL)

Upper Uwchlan Township - Municipal Authority  
Name of Applicant  
Chester County  
County  
Gwen A. Jonik  
Secretary



UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY  
CHESTER COUNTY, PENNSYLVANIA

RESOLUTION NO. 11-22-22-24

**REQUEST OF H2O PA GRANT FUNDS**

Be it RESOLVED, that the **Upper Uwchlan Township Municipal Authority** (Name of Applicant) of **Chester County** (Name of County) hereby requests an H2O PA grant of **\$520,000** from the Commonwealth Financing Authority to be used for the **Eaglepointe Wastewater Treatment Plant Conversion Project**.

Be it FURTHER RESOLVED, that the Applicant does hereby designate **G. Matthew Brown, P.E., DEE, Authority Administrator** (Name and Title) as the official to execute all documents and agreements between the **Upper Uwchlan Township Municipal Authority** (Name of Applicant) and the Commonwealth Financing Authority to facilitate and assist in obtaining the requested grant.

RESOLVED AND ENACTED this 22nd day of November, 2022

UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY

\_\_\_\_\_  
Authority Member Name, Title

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

I, **Gwen A. Jonik**, duly qualified Secretary of **Upper Uwchlan Township, Chester County** (Name of County) hereby certify that the foregoing is a true and correct copy of Resolution No. 11-22-22-24 duly adopted by a majority vote of the **Upper Uwchlan Township Municipal Authority** (Governing Body) at a regular meeting held on November 22, 2022 (Date) and said Resolution has been recorded in the Minutes of the **Upper Uwchlan Township Municipal Authority** (Applicant) and remains in effect as of this date.

IN WITNESS THEREOF, I affix my hand and attach the seal of the **Upper Uwchlan Township**, this \_\_\_\_\_ day of November, 2022.

(SEAL)

Upper Uwchlan Township - Municipal Authority  
Name of Applicant  
Chester County  
County  
Gwen A. Jonik  
Secretary



UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY  
CHESTER COUNTY, PENNSYLVANIA

RESOLUTION NO. 11-22-22-25

**REQUEST OF H2O PA GRANT FUNDS**

Be it RESOLVED, that the **Upper Uwchlan Township Municipal Authority** (Name of Applicant) of **Chester County** (Name of County) hereby requests an H2O PA grant of **\$3,826,000** from the Commonwealth Financing Authority to be used for the **Meadow Creek Sanitary Sewer Extension Project**.

Be it FURTHER RESOLVED, that the Applicant does hereby designate **G. Matthew Brown, P.E., DEE, Authority Administrator** (Name and Title) as the official to execute all documents and agreements between the **Upper Uwchlan Township Municipal Authority** (Name of Applicant) and the Commonwealth Financing Authority to facilitate and assist in obtaining the requested grant.

RESOLVED AND ENACTED this 22nd day of November, 2022.

UPPER UWCHLAN TOWNSHIP MUNICIPAL AUTHORITY

\_\_\_\_\_  
Authority Member Name, Title

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

I, **Gwen A. Jonik**, duly qualified Secretary of **Upper Uwchlan Township, Chester County** (Name of County) hereby certify that the foregoing is a true and correct copy of Resolution No. 11-22-22-25 duly adopted by a majority vote of the **Upper Uwchlan Township Municipal Authority** (Governing Body) at a regular meeting held on November 22, 2022 (Date) and said Resolution has been recorded in the Minutes of the **Upper Uwchlan Township Municipal Authority** (Applicant) and remains in effect as of this date.

IN WITNESS THEREOF, I affix my hand and attach the seal of the **Upper Uwchlan Township**, this \_\_\_\_ day of November, 2022.

(SEAL)

Upper Uwchlan Township - Municipal Authority  
Name of Applicant  
Chester County  
County  
Gwen A. Jonik  
Secretary



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

**The following projects are underway:**

**Ongoing:**

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

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

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

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



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

- **Lakeridge Pump Station**
  - **Site checked**
  - **Cleaned facility**
- **Eagle Farms Rd PS (West Vincent Township)**
  - **Cleaned facility**
  - **Site checked**
  - **SPD Module needs replaced; Nulls notified for replacement**
- **Little Conestoga Rd PS**
  - **Cleaned facility**
  - **Site checked**
  - **Site mowed**
- **Eagle Manor PS (Dorothy Lane)**
  - **Site checked**
- **Garrison Drive (spray field pump station #1)**
  - **Site checked**
- **Garrison Drive (spray field pump station #2)**
  - **Site checked**
  - **Remove trash and recycle**
- **Construction has started at Route 100 WWTP.**
- **Cameras at Route 100 WWTP are still down.**
- **UUT responded to 72 PA 1-Call tickets during the month.**
- **Safety inspections went well.**
- **Heaters are on; Stonehedge Pump Station heater having issues.**
- **SPD Module needs to be replaced at Eagle Farms and Eagle Hunt; Nulls notified for replacement.**
- **Locks are being sprayed/replaced for winter months.**
- **Driveway markers are being placed for snow events.**

**Respectfully submitted,**

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