



AGENDA

September 27, 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 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: July 26, 2022
- III. Approval of Payments: August and September 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
 - D. Public Works Department Report
- VI. Open Session
- VII. Next Meeting Date: October 25, 2022 ~ 7:30 p.m.
- VIII. Adjournment



MEETING MINUTES

July 26, 2022

7:30 PM

DRAFT

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

Call to Order

In that the Chairman and Vice-Chairman were not in attendance; the consensus of the members was to have B. Watts chair the meeting. He called the meeting to order at 7:30 PM.

Approval of Minutes

Draft minutes of the June 28, 2022, meeting were presented. H. Harper moved to approve the minutes as submitted. D. Carlson seconded. It was so moved.

Approval of Payments

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

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

Authority Administration Reports

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

M. Brown provided a monthly update on land available for disposal. He noted the developer looking to partner with the Authority for land procurement in West Vincent Township would be discussing their proposal to West Vincent Township at their August Board of Supervisor's meeting. M. Brown noted he planned to attend. He would continue to monitor the progress of the project.

M. Brown noted the Byers Road pay request provided in the packet and recommended approval. He noted there was still some minor punch list items and reconciliation with material quantities that need to be completed. H. Harper made a motion to approve the pay request as submitted. D. Carlson seconded. It was so moved.

M. Brown noted the existing main on Walter Court was immediately adjacent to #526 who is currently not connected to public sewer. The homeowner was requesting to be connected to the sanitary sewer. He recommended the Board approve the connection as sufficient capacity existed. H. Harper moved to approve the connection. D. Carlson seconded. It was so moved.

The Board discussed the annual Audit Report. Question arose as to whom with the Township or Authority were skilled enough to interpret the report. M. Brown noted that the report was reviewed by him and the Township Treasurer, stating both were knowledgeable but not experts. It was also noted the summary would call to attention any deficiencies in the practices if there were any. It was noted the update of the ARRO contract was mentioned in the report. D. Carlson noted that an updated contract by ARRO for the Administrator work was provided a year ago by M. Brown, whereas the Authority took no action. It was noted that M. Brown was now an employee of the Township. M. Brown noted this year the request was for the ARRO Engineering contract to be updated and suggested he contact ARRO to provide same but recommended it be done concurrent with year-end.

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

Open Session

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

Next Meeting Date: August 23, 2022 - 7:30 PM

B. Watts 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 8:01 PM. D. Carlson seconded. It was so moved.

Respectfully submitted,

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

August 22, 2022
10:11 AM

Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2920 to 2945
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
2920	08/23/22	21ST 21st CENTURY MEDIA PHILLY	154.78	2678
2921	08/23/22	ALSGROUP ALS GROUP USA, CORP	3,226.20	2678
2922	08/23/22	AQUAP010 AQUA PA	3,019.50	2678
2923	08/23/22	AQUAPA AQUA PA	75.00	2678
2924	08/23/22	ARROC010 ARRO CONSULTING, INC.	9,123.00	2678
2925	08/23/22	ATTMOBIL AT & T MOBILITY	165.58	2678
2926	08/23/22	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	3,205.96	2678
2927	08/23/22	CHRISFRA FRANTZ, CHRISTOPHER	731.00	2678
2928	08/23/22	CLEANWAT CLEAN WATER, INC.	7,575.00	2678
2929	08/23/22	COMM0015 COMMONWEALTH OF PENNSYLVANIA	5,000.00	2678
2930	08/23/22	COMM0015 COMMONWEALTH OF PENNSYLVANIA	500.00	2678
2931	08/23/22	DECKM010 DECKMAN MOTOR & PUMP, INC	6,526.00	2678
2932	08/23/22	DELTRUST DELAWARE VALLEY PROP&LIA TRST	4,710.25	2678
2933	08/23/22	INKS0010 INK'S DISPOSAL SERVICE, INC.	4,800.00	2678
2934	08/23/22	KAPPEASS KAPPE ASSOCIATES, INC	1,906.75	2678
2935	08/23/22	LARRYHEP LARRY HEPNER CPSS	3,754.59	2678
2936	08/23/22	MARTINTR MARTIN TREE SERVICE	500.00	2678
2937	08/23/22	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	9,933.82	2678
2938	08/23/22	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,303.75	2678
2939	08/23/22	PEC00010 PECO	14,267.52	2678
2940	08/23/22	PRED0010 PREDOC	7,202.50	2678
2941	08/23/22	SOLITUDE SOLITUDE LAKE MANAGEMENT	3,748.00	2678
2942	08/23/22	STARPRIN STAR PRINTING, INC	813.62	2678
2943	08/23/22	USABL020 USA BLUE BOOK	399.90	2678
2944	08/23/22	VERIZFIO VERIZON	142.40	2678
2945	08/23/22	VERIZFIO VERIZON	1,099.05	2678

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	26	0	93,884.17	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	<u>26</u>	<u>0</u>	<u>93,884.17</u>	<u>0.00</u>

August 22, 2022
10:04 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: LHAINES Batch Type: C Batch Date: 08/23/22 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 Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
	08/23/22	21ST	21st CENTURY MEDIA PHILLY		21C ADVERTISING					
22-01065	08/23/22	1	MA-2021 financial summary	154.78	06-400-000-341	Advertising	Expenditure	Aprv	1	1
				154.78						
	08/23/22	ALSGROUP	ALS GROUP USA, CORP		P.O. BOX 975444					
22-01067	08/23/22	1	byers station	145.70	06-420-000-030	Testing	Expenditure	Aprv	7	1
22-01067	08/23/22	2	byers station	1,352.70	06-420-000-030	Testing	Expenditure	Aprv	8	1
22-01067	08/23/22	3	saybrooke	495.40	06-420-000-030	Testing	Expenditure	Aprv	9	1
22-01067	08/23/22	4	reserve @ waynebrook	646.20	06-420-000-030	Testing	Expenditure	Aprv	10	1
22-01067	08/23/22	5	upland	586.20	06-420-000-030	Testing	Expenditure	Aprv	11	1
				3,226.20						
	08/23/22	AQUAP010	AQUA PA		PO BOX 70279					
22-01090	08/23/22	1	119 prescott	20.51	06-409-000-037	Water	Expenditure	Aprv	60	1
22-01090	08/23/22	2	439 prescott	24.43	06-409-000-037	Water	Expenditure	Aprv	61	1
22-01090	08/23/22	3	100 prescott	20.51	06-409-000-037	Water	Expenditure	Aprv	62	1
22-01090	08/23/22	4	meadow creek lane	20.51	06-409-000-037	Water	Expenditure	Aprv	63	1
22-01090	08/23/22	5	308 flagstone road	20.51	06-409-000-037	Water	Expenditure	Aprv	64	1
22-01090	08/23/22	6	1 prospect hill	59.80	06-409-000-037	Water	Expenditure	Aprv	65	1
22-01090	08/23/22	7	528 walter ct	20.51	06-409-000-037	Water	Expenditure	Aprv	66	1
22-01090	08/23/22	8	325 fellowship road	2,584.45	06-409-000-037	Water	Expenditure	Aprv	67	1
22-01090	08/23/22	9	658 collingwood	59.80	06-409-000-037	Water	Expenditure	Aprv	68	1
22-01090	08/23/22	10	241 fellowship road	20.51	06-409-000-037	Water	Expenditure	Aprv	69	1
22-01090	08/23/22	11	29 yarmouth lane	26.12	06-409-000-037	Water	Expenditure	Aprv	70	1
22-01090	08/23/22	12	425 hemlock lane	59.80	06-409-000-037	Water	Expenditure	Aprv	71	1
22-01090	08/23/22	13	2680 primrose court	20.51	06-409-000-037	Water	Expenditure	Aprv	72	1
22-01090	08/23/22	14	381 lcr	20.51	06-409-000-037	Water	Expenditure	Aprv	73	1
22-01090	08/23/22	15	111 dorothy ln	20.51	06-409-000-037	Water	Expenditure	Aprv	74	1

August 22, 2022
10:04 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 2

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
22-01090	08/23/22	16	1120 sunderland ave	20.51	06-409-000-037	Water	Expenditure	Aprv	75	1
				3,019.50						
	08/23/22	AQUAPA	AQUA PA		ATTN: PA GENERAL ACCOUNTING					
22-01068	08/23/22	1	commercial qtr 2 reads	75.00	06-406-000-100	Utility Billing Costs	Expenditure	Aprv	12	1
				75.00						
	08/23/22	ARROC010	ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
22-01066	08/23/22	1	project #9310.32 ww sys admin	3,337.00	06-400-000-002	Authority Admin Expense - ARRO	Expenditure	Aprv	2	1
					06-408-000-000	Engineering Fees	Expenditure	Aprv	3	1
	08/23/22	2	project #17000.00 consultant	3,006.75	06-408-000-000	Engineering Fees	Expenditure	Aprv	4	1
	08/23/22	3	project #10270.56 disp fld map	1,350.25	06-408-000-000	Engineering Fees	Expenditure	Aprv	5	1
	08/23/22	4	project #10270.71 act 537	50.75	06-408-000-000	Engineering Fees	Expenditure	Aprv	6	1
	08/23/22	5	project #10270.82 rt100 influe	1,378.25	06-408-000-000	Engineering Fees	Expenditure	Aprv		
				9,123.00						
	08/23/22	ATTMOBIL	AT & T MOBILITY		PO BOX 6463					
22-01069	08/23/22	1	ma-phones	165.58	06-409-000-032	Telephone	Expenditure	Aprv	13	1
				165.58						
	08/23/22	BUCKL010	BUCKLEY, BRION, MCGUIRE, MORRI		118 W. MARKET STREET					
22-01070	08/23/22	1	ma- june services	834.46	06-404-000-000	Legal Fees	Expenditure	Aprv	14	1
	08/23/22	2	ma-july services	2,371.50	06-404-000-000	Legal Fees	Expenditure	Aprv	15	1
				3,205.96						
	08/23/22	CHRISFRA	FRANTZ, CHRISTOPHER		PO BOX 557					
22-01072	08/23/22	1	july services	731.00	06-404-000-000	Legal Fees	Expenditure	Aprv	17	1
				731.00						
	08/23/22	CLEANWAT	CLEAN WATER, INC.		170 DALLAS STREET					
22-01073	08/23/22	1	monthly operations	7,575.00	06-420-000-045	Contracted Services	Expenditure	Aprv	18	1
				7,575.00						
	08/23/22	COMMO015	COMMONWEALTH OF PENNSYLVANIA							
22-01071	08/23/22	1	greenridge WQM permit	5,000.00	06-420-000-035	Permits	Expenditure	Aprv	16	1
				5,000.00						
	08/23/22	COMMO015	COMMONWEALTH OF PENNSYLVANIA							
22-01074	08/23/22	1	permit PA0058378 - st andrews	500.00	06-420-000-035	Permits	Expenditure	Aprv	19	1
				500.00						

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
		PO # Enc Date Item Description							
			500.00						
22-01075	08/23/22	DECKM010 DECKMAN MOTOR & PUMP, INC	1,726.00	49 W. FRONT STREET	06-420-000-025	Expenditure	Aprv	20	1
		1 dorian court - new pump		Maintenance & Repair					
22-01075	08/23/22	2 rt 100 rebuilt aerator	4,800.00	06-420-000-025	Maintenance & Repair	Expenditure	Aprv	21	1
			6,526.00						
22-01076	08/23/22	DELTRUST DELAWARE VALLEY PROP&LIA TRST	1,222.75	P.O. BOX 95000-5725	06-400-000-352	Expenditure	Aprv	22	1
		1 ma liability		Insurance - Liability					
22-01076	08/23/22	2 ma property	3,487.50	06-409-000-035	Insurance	Expenditure	Aprv	23	1
			4,710.25						
22-01078	08/23/22	INKS0010 INK'S DISPOSAL SERVICE, INC.	4,800.00	564 NORTH MANOR ROAD	06-420-000-025	Expenditure	Aprv	25	1
		1 ma - july services		Maintenance & Repair					
			4,800.00						
22-01079	08/23/22	KAPPEASS KAPPE ASSOCIATES, INC	1,906.75	100 WORMANS MILL COURT	06-420-000-025	Expenditure	Aprv	26	1
		1 service @ reserves ps 2		Maintenance & Repair					
			1,906.75						
22-01077	08/23/22	LARRYHEP LARRY HEPNER CPSS	3,754.59	LARRY HEPNER, CPSS	06-420-000-032	Expenditure	Aprv	24	1
		1 2022 crop mgmt & soil samples		Vegetation Management					
			3,754.59						
22-01082	08/23/22	MARTINTR MARTIN TREE SERVICE	500.00	950 EAST EARL ROAD	06-420-000-032	Expenditure	Aprv	38	1
		1 201 moore rd - move dead ash		Vegetation Management					
			500.00						
22-01080	08/23/22	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	2,419.80	920 SOUTH BOLMAR STREET	06-420-000-031	Expenditure	Aprv	27	1
		6 reserve @ eagle		Pump & Haul					
22-01080	08/23/22	7 Rt 100	2,219.02	06-420-000-031	Pump & Haul	Expenditure	Aprv	28	1
22-01080	08/23/22	8 Rt 100	2,219.02	06-420-000-031	Pump & Haul	Expenditure	Aprv	29	1
22-01080	08/23/22	9 Eagle Point	426.19	06-420-000-031	Pump & Haul	Expenditure	Aprv	30	1
22-01080	08/23/22	10 Eagle Point	370.60	06-420-000-031	Pump & Haul	Expenditure	Aprv	31	1
22-01080	08/23/22	11 Eagle Point	426.19	06-420-000-031	Pump & Haul	Expenditure	Aprv	32	1
22-01080	08/23/22	12 Eagle Point	370.60	06-420-000-031	Pump & Haul	Expenditure	Aprv	33	1
22-01080	08/23/22	13 Eagle Point	370.60	06-420-000-031	Pump & Haul	Expenditure	Aprv	34	1

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
		PO #	Enc Date	Item Description						
22-01080	08/23/22	14	Eagle Point	370.60	Pump & Haul	06-420-000-031	Expenditure	Aprv	35	1
					Pump & Haul	06-420-000-031	Expenditure	Aprv	36	1
22-01080	08/23/22	15	Eagle Point	370.60	Pump & Haul	06-420-000-031	Expenditure	Aprv	37	1
22-01080	08/23/22	16	Eagle Point	370.60	Pump & Haul	06-420-000-031	Expenditure	Aprv		
					Pump & Haul	06-420-000-031	Expenditure	Aprv		
						9,933.82				
	08/23/22	MJREIDER M. J. REIDER ASSOCIATES, INC.			107 ANGELICA STREET					
22-01083	08/23/22	1	WWTP - Ewing W Vincent Lagoon	80.00	06-420-000-030	Testing	Expenditure	Aprv	39	1
22-01083	08/23/22	2	WWTP - Lakeridge	116.25	06-420-000-030	Testing	Expenditure	Aprv	40	1
22-01083	08/23/22	3	WWTP - Marsh Harbour	136.25	06-420-000-030	Testing	Expenditure	Aprv	41	1
22-01083	08/23/22	4	WWTP - St Andrews Brae	166.25	06-420-000-030	Testing	Expenditure	Aprv	42	1
22-01083	08/23/22	5	WWTP - Saybrooke	116.25	06-420-000-030	Testing	Expenditure	Aprv	43	1
22-01083	08/23/22	6	WWTP - Greenridge	11.25	06-420-000-030	Testing	Expenditure	Aprv	44	1
22-01083	08/23/22	7	WWTP - Rt 100	116.25	06-420-000-030	Testing	Expenditure	Aprv	45	1
22-01083	08/23/22	8	WWTP - Greenridge	116.25	06-420-000-030	Testing	Expenditure	Aprv	46	1
22-01083	08/23/22	9	WWTP - Eagle Point	196.25	06-420-000-030	Testing	Expenditure	Aprv	47	1
22-01083	08/23/22	10	WWTP - Saybrooke	45.00	06-420-000-030	Testing	Expenditure	Aprv	48	1
22-01083	08/23/22	11	WWTP - St Andrews Brae	87.50	06-420-000-030	Testing	Expenditure	Aprv	49	1
22-01083	08/23/22	12	WWTP - Saybrooke	116.25	06-420-000-030	Testing	Expenditure	Aprv	50	1
						1,303.75				
	08/23/22	PECO0010	PECO		SUMMARY BILL PROCESSING CENTER					
22-01091	08/23/22	1	304 fellowship	105.96	06-409-000-036	Electric	Expenditure	Aprv	76	1
22-01091	08/23/22	2	2500 eagle farms road	639.99	06-409-000-036	Electric	Expenditure	Aprv	77	1
22-01091	08/23/22	3	seabury lane	45.35	06-409-000-036	Electric	Expenditure	Aprv	78	1
22-01091	08/23/22	4	primrose court	267.09	06-409-000-036	Electric	Expenditure	Aprv	79	1
22-01091	08/23/22	5	314 prscott drive	243.68	06-409-000-036	Electric	Expenditure	Aprv	80	1
22-01091	08/23/22	6	meadow creek lane	38.22	06-409-000-036	Electric	Expenditure	Aprv	81	1
22-01091	08/23/22	7	301 pottstown pike	483.53	06-409-000-036	Electric	Expenditure	Aprv	82	1
22-01091	08/23/22	8	kristines/milford	113.13	06-409-000-036	Electric	Expenditure	Aprv	83	1

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
22-01091	08/23/22	9	711 dorian road	282.02	Electric	06-409-000-036	Expenditure	Aprv	84	1
22-01091	08/23/22	10	111 dorothy lane	88.08	Electric	06-409-000-036	Expenditure	Aprv	85	1
22-01091	08/23/22	11	dorlan drive	876.61	Electric	06-409-000-036	Expenditure	Aprv	86	1
22-01091	08/23/22	12	381 lcr	178.89	Electric	06-409-000-036	Expenditure	Aprv	87	1
22-01091	08/23/22	13	milford road	35.76	Electric	06-409-000-036	Expenditure	Aprv	88	1
22-01091	08/23/22	14	st. andrews	41.09	Electric	06-409-000-036	Expenditure	Aprv	89	1
22-01091	08/23/22	15	park road	1,227.60	Electric	06-409-000-036	Expenditure	Aprv	90	1
22-01091	08/23/22	16	55 pottstown pike	464.99	Electric	06-409-000-036	Expenditure	Aprv	91	1
22-01091	08/23/22	17	yarmouth lane	306.47	Electric	06-409-000-036	Expenditure	Aprv	92	1
22-01091	08/23/22	18	sunderland ave	1,833.51	Electric	06-409-000-036	Expenditure	Aprv	93	1
22-01091	08/23/22	19	kiloran wynd drive	163.33	Electric	06-409-000-036	Expenditure	Aprv	94	1
22-01091	08/23/22	20	flagstone road	619.52	Electric	06-409-000-036	Expenditure	Aprv	95	1
22-01091	08/23/22	21	yarmouth lane	40.64	Electric	06-409-000-036	Expenditure	Aprv	96	1
22-01091	08/23/22	22	140 pottstown pike	180.28	Electric	06-409-000-036	Expenditure	Aprv	97	1
22-01091	08/23/22	23	275 fellowship road	5,144.85	Electric	06-409-000-036	Expenditure	Aprv	98	1
22-01091	08/23/22	24	heron hill drive	67.18	Electric	06-409-000-036	Expenditure	Aprv	99	1
22-01091	08/23/22	25	indian springs drive	73.30	Electric	06-409-000-036	Expenditure	Aprv	100	1
22-01091	08/23/22	26	yarmouth lane	54.28	Electric	06-409-000-036	Expenditure	Aprv	101	1
22-01091	08/23/22	27	hemlock lane	86.59	Electric	06-409-000-036	Expenditure	Aprv	102	1
22-01091	08/23/22	28	fellowship road	565.58	Electric	06-409-000-036	Expenditure	Aprv	103	1
				14,267.52						

08/23/22	PREDOC	14 CHRIS EVYN LANE						
22-01084	08/23/22	1 sunderland ave - backflow test	95.00	06-420-000-025	Expenditure	Aprv	51	1
22-01084	08/23/22	2 rt 100-pull aerator/clear clog	2,662.50	06-420-000-025	Expenditure	Aprv	52	1
22-01084	08/23/22	3 saybrooke - jetting/flushing	2,295.00	06-420-000-025	Expenditure	Aprv	53	1
22-01084	08/23/22	4 rt 100-install aerator #2	2,150.00	06-420-000-025	Expenditure	Aprv	54	1
				Maintenance & Repair				

August 22, 2022
10:04 AM

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 Description
<hr/>										
				7,202.50						
22-01085	08/23/22	SOLITUDE	SOLITUDE LAKE MANAGEMENT		1320 BROOKWOOD DRIVE					
			1 2022 lagoon weed cntr contract	3,748.00		06-420-000-032		Expenditure	Aprv	55 1
					Vegetation Management					
				3,748.00						
22-01086	08/23/22	STARPRIN	STAR PRINTING, INC		PO BOX 1537					
			1 qtr 3 sewer	813.62		06-406-000-100		Expenditure	Aprv	56 1
					Utility Billing Costs					
				813.62						
22-01089	08/23/22	USABL020	USA BLUE BOOK		PO BOX 9004					
			1 chlorination tablets	399.90		06-420-000-022		Expenditure	Aprv	59 1
					Chemicals					
				399.90						
22-01087	08/23/22	VERIZFIO	VERIZON		PO BOX 15124					
			1 ma- telephone	142.40		06-409-000-032		Expenditure	Aprv	57 1
					Telephone					
				142.40						
22-01088	08/23/22	VERIZFIO	VERIZON		PO BOX 15124					
			1 ma - telephone	1,099.05		06-409-000-032		Expenditure	Aprv	58 1
					Telephone					
				1,099.05						
<hr/>										
Checks:	Count	26	Line Items	103	Amount	93,884.17				

There are NO errors or warnings in this listing.

August 22, 2022
10:19 AM

Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA CAP to MA CAP Range of Check Ids: 12 to 12
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
12	08/23/22	ARROC010 ARRO CONSULTING, INC.	4,080.00		2679

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	1	0	4,080.00	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	<u>1</u>	<u>0</u>	<u>4,080.00</u>	<u>0.00</u>

August 22, 2022
10:18 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: LHAINES Batch Type: C Batch Date: 08/23/22 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					
	08/23/22	ARROC010	ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
22-01092	08/23/22	1 project	10270.72	meadow creek	2,192.50	07-483-000-110	Expenditure	Aprv	1	1
22-01092	08/23/22	2 project	10270.64	milford	882.00	07-483-000-100	Expenditure	Aprv	2	1
22-01092	08/23/22	3 project	10270.48	byers road	1,005.50	07-483-000-130	Expenditure	Aprv	3	1
					4,080.00	Capital Construction - Meadow Creek				
						Capital Construction - Milford Farms				
						Capital Construction - Byers Road				

Checks:	Count	Line Items	Amount
	1	3	4,080.00

There are NO errors or warnings in this listing.

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2946 to 2960
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
09/27/22	AQUAP010	AQUA PA	2,540.54		2695
09/27/22	ARROC010	ARRO CONSULTING, INC.	7,514.12		2695
09/27/22	ATTMOBIL	AT & T MOBILITY	204.53		2695
09/27/22	BUCKL010	BUCKLEY, BRION, MCGUIRE, MORRI	500.50		2695
09/27/22	CHRISFRA	FRANTZ, CHRISTOPHER	172.00		2695
09/27/22	CLEANWAT	CLEAN WATER, INC.	6,575.00		2695
09/27/22	MCGOV020	MCGOVERN ENVIRONMENTAL, LLC	0.00	09/27/22 VOID	0
09/27/22	MCGOV020	MCGOVERN ENVIRONMENTAL, LLC	21,802.84		2695
09/27/22	MJREIDER	M. J. REIDER ASSOCIATES, INC.	1,090.00		2695
09/27/22	PECO0010	PECO	14,456.75		2695
09/27/22	PENNS080	PENNSYLVANIA ONE CALL	134.43		2695
09/27/22	PRED0010	PREDOC	2,473.78		2695
09/27/22	UPPER070	UPPER UWCHLAN TOWNSHIP	86,960.05		2695
09/27/22	USABL020	USA BLUE BOOK	248.95		2695
09/27/22	VERIZFIO	VERIZON	1,237.67		2695

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	14	1	145,911.16	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	14	1	145,911.16	0.00

September 22, 2022
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Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 09/27/22 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 Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
	09/27/22	AQUAP010	AQUA PA		PO BOX 70279					
22-01218	09/27/22	1	119 prescott	34.87	06-409-000-037	Water	Expenditure	Aprv	8	1
22-01218	09/27/22	2	439 prescott	20.51	06-409-000-037	Water	Expenditure	Aprv	9	1
22-01218	09/27/22	3	100 prescott	20.51	06-409-000-037	Water	Expenditure	Aprv	10	1
22-01218	09/27/22	4	meadow creek lane	20.51	06-409-000-037	Water	Expenditure	Aprv	11	1
22-01218	09/27/22	5	308 flagstone	20.51	06-409-000-037	Water	Expenditure	Aprv	12	1
22-01218	09/27/22	6	1 prospect hill	59.80	06-409-000-037	Water	Expenditure	Aprv	13	1
22-01218	09/27/22	7	528 walter ct	21.91	06-409-000-037	Water	Expenditure	Aprv	14	1
22-01218	09/27/22	8	325 fellowship rd	2,095.05	06-409-000-037	Water	Expenditure	Aprv	15	1
22-01218	09/27/22	9	658 collingwood	64.01	06-409-000-037	Water	Expenditure	Aprv	16	1
22-01218	09/27/22	10	241 fellowship rd	20.51	06-409-000-037	Water	Expenditure	Aprv	17	1
22-01218	09/27/22	11	29 yarmouth ln	20.51	06-409-000-037	Water	Expenditure	Aprv	18	1
22-01218	09/27/22	12	425 hemlock ln	59.80	06-409-000-037	Water	Expenditure	Aprv	19	1
22-01218	09/27/22	13	2680 primrose ct	20.51	06-409-000-037	Water	Expenditure	Aprv	20	1
22-01218	09/27/22	14	381 little conestoga rd	20.51	06-409-000-037	Water	Expenditure	Aprv	21	1
22-01218	09/27/22	15	111 dorothy ln	20.51	06-409-000-037	Water	Expenditure	Aprv	22	1
22-01218	09/27/22	16	1120 sunderland ave	20.51	06-409-000-037	Water	Expenditure	Aprv	23	1
				2,540.54						
	09/27/22	ARROC010	ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
22-01216	09/27/22	1	project 9310.32	1,075.50	06-400-000-002	Authority Admin Expense - ARRO	Expenditure	Aprv	1	1
22-01216	09/27/22	2	project 10270.56 rt 100 mappin	800.50	06-408-000-000	Engineering Fees	Expenditure	Aprv	2	1
22-01216	09/27/22	3	project 10270.58 energy source	1,475.25	06-408-000-000	Engineering Fees	Expenditure	Aprv	3	1
22-01216	09/27/22	4	project 10270.73 eaglepointe	466.00	06-408-000-000	Engineering Fees	Expenditure	Aprv	4	1
22-01216	09/27/22	5	project 1270.82 rt 100 study	935.00	06-408-000-000	Engineering Fees	Expenditure	Aprv	5	1
22-01216	09/27/22	6	project 1270.83 lakeridge	396.00	06-408-000-000	Engineering Fees	Expenditure	Aprv	6	1
22-01216	09/27/22	7	project 17000.00	2,365.87	06-408-000-000	Engineering Fees	Expenditure	Aprv	7	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct Description
<hr/>										
<hr/>										
					Engineering Fees					
				7,514.12						
22-01219	09/27/22	ATTMOBIL	AT & T MOBILITY	204.53	PO BOX 6463	06-409-000-032	Expenditure	Aprv	24	1
		09/27/22	1 ma-phones		Telephone					
				204.53						
22-01220	09/27/22	BUCKL010	BUCKLEY, BRION, MCGUIRE, MORRI	500.50	118 W. MARKET STREET	06-404-000-000	Expenditure	Aprv	25	1
		09/27/22	1 ma-august services		Legal Fees					
				500.50						
22-01222	09/27/22	CHRISFRA	FRANTZ, CHRISTOPHER	172.00	PO BOX 557	06-404-000-000	Expenditure	Aprv	27	1
		09/27/22	1 august services		Legal Fees					
				172.00						
22-01221	09/27/22	CLEANWAT	CLEAN WATER, INC.	6,575.00	170 DALLAS STREET	06-420-000-045	Expenditure	Aprv	26	1
		09/27/22	1 monthly operations		Contracted Services					
				6,575.00						
22-01223	09/27/22	MCGOV020	MCGOVERN ENVIRONMENTAL, LLC	426.19	920 SOUTH BOLMAR STREET	06-420-000-031	Expenditure	Aprv	28	1
		09/27/22	1 eagle point		Pump & Haul					
				370.60	06-420-000-031	Expenditure	Aprv	29	1	
		09/27/22	2 eagle point		Pump & Haul					
				370.60	06-420-000-031	Expenditure	Aprv	30	1	
		09/27/22	3 eagle point		Pump & Haul					
				370.60	06-420-000-031	Expenditure	Aprv	31	1	
		09/27/22	4 eagle point		Pump & Haul					
				370.60	06-420-000-031	Expenditure	Aprv	32	1	
		09/27/22	5 eagle point		Pump & Haul					
				370.60	06-420-000-031	Expenditure	Aprv	33	1	
		09/27/22	6 eagle point		Pump & Haul					
				370.60	06-420-000-031	Expenditure	Aprv	34	1	
		09/27/22	7 stonehedge-69 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	35	1	
		09/27/22	8 stonehedge-66 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	36	1	
		09/27/22	9 stonehedge-72 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	37	1	
		09/27/22	10 stonehedge-78 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	38	1	
		09/27/22	11 stonehedge-79 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	39	1	
		09/27/22	12 stonehedge-89 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	40	1	
		09/27/22	13 stonehedge-98 indian springs		Pump & Haul					
				337.90	06-420-000-031	Expenditure	Aprv	41	1	
		09/27/22	14 stonehedge-101 indian springs		Pump & Haul					

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
22-01223	09/27/22	15	stonehedge-104 indian springs	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	42	1
22-01223	09/27/22	16	stonehedge-110 indian springs	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	43	1
22-01223	09/27/22	17	stonehedge-116 indian springs	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	44	1
22-01223	09/27/22	18	stonehedge-41 stonehedge dr	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	45	1
22-01223	09/27/22	19	stonehedge-43 stonehedge dr	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	46	1
22-01223	09/27/22	20	stonehedge-47 stonehedge dr	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	47	1
22-01223	09/27/22	21	stonehedge-63 stonehedge dr	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	48	1
22-01223	09/27/22	22	stonehedge-301 deerhaven	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	49	1
22-01223	09/27/22	23	stonehedge-313 deerhaven	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	50	1
22-01223	09/27/22	24	stonehedge-61 indian springs	337.90	06-420-000-031 Pump & Haul		Expenditure	Aprv	51	1
22-01223	09/27/22	25	stonehedge-307 deerhaven	321.55	06-420-000-031 Pump & Haul		Expenditure	Aprv	52	1
22-01223	09/27/22	26	stonehedge-106 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	53	1
22-01223	09/27/22	27	stonehedge-100 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	54	1
22-01223	09/27/22	28	stonehedge-112 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	55	1
22-01223	09/27/22	29	stonehedge-124 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	56	1
22-01223	09/27/22	30	stonehedge-118 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	57	1
22-01223	09/27/22	31	stonehedge-130 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	58	1
22-01223	09/27/22	32	stonehedge-136 devon circle	354.25	06-420-000-031 Pump & Haul		Expenditure	Aprv	59	1
22-01223	09/27/22	33	lakeridge-599 walter ct	370.60	06-420-000-031 Pump & Haul		Expenditure	Aprv	60	1
22-01223	09/27/22	34	lakeridge-599 walter ct	741.20	06-420-000-031 Pump & Haul		Expenditure	Aprv	61	1
22-01223	09/27/22	35	saybrooke	324.28	06-420-000-031 Pump & Haul		Expenditure	Aprv	62	1
22-01223	09/27/22	36	rt 100	1,109.51	06-420-000-031 Pump & Haul		Expenditure	Aprv	63	1
22-01223	09/27/22	37	rt 100	1,109.51	06-420-000-031 Pump & Haul		Expenditure	Aprv	64	1
22-01223	09/27/22	38	rt 100	1,109.51	06-420-000-031 Pump & Haul		Expenditure	Aprv	65	1
22-01223	09/27/22	39	rt 100	1,109.51	06-420-000-031 Pump & Haul		Expenditure	Aprv	66	1
22-01223	09/27/22	41	lakeridge cleanup	1,684.05	06-420-000-025 Maintenance & Repair		Expenditure	Aprv	67	1

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
22-01223	09/27/22	42	windsor ridge cleanup	1,893.88	06-420-000-025	Maintenance & Repair	Expenditure	Aprv	68	1
22-01223	09/27/22	43	rt 100	272.50	06-420-000-025	Maintenance & Repair	Expenditure	Aprv	69	1
22-01223	09/27/22	44	rt 100	545.00	06-420-000-025	Maintenance & Repair	Expenditure	Aprv	70	1
22-01223	09/27/22	45	eagle point	370.60	06-420-000-031	Pump & Haul	Expenditure	Aprv	71	1
				21,802.84						
22-01228	09/27/22	1	MJREIDER M. J. REIDER ASSOCIATES, INC.	166.25	107 ANGELICA STREET					
22-01228	09/27/22	2	wwtp - st andrews brae	116.25	06-420-000-030	Testing	Expenditure	Aprv	104	1
22-01228	09/27/22	3	wwtp - lakeridge	116.25	06-420-000-030	Testing	Expenditure	Aprv	105	1
22-01228	09/27/22	4	wwtp - marsh harbour	136.25	06-420-000-030	Testing	Expenditure	Aprv	106	1
22-01228	09/27/22	5	wwtp - greenridge	116.25	06-420-000-030	Testing	Expenditure	Aprv	107	1
22-01228	09/27/22	6	wwtp - ewing w vincent lagoon	80.00	06-420-000-030	Testing	Expenditure	Aprv	108	1
22-01228	09/27/22	7	wwtp - st andrews brae	87.50	06-420-000-030	Testing	Expenditure	Aprv	109	1
22-01228	09/27/22	8	wwtp - eaglepoint	121.25	06-420-000-030	Testing	Expenditure	Aprv	110	1
22-01228	09/27/22	9	wwtp - saybrooke	45.00	06-420-000-030	Testing	Expenditure	Aprv	111	1
22-01228	09/27/22	10	wwtp - rt 100	116.25	06-420-000-030	Testing	Expenditure	Aprv	112	1
22-01228	09/27/22	11	wwtp - eaglepoint	45.00	06-420-000-030	Testing	Expenditure	Aprv	113	1
				60.00	06-420-000-030	Testing	Expenditure	Aprv	114	1
				1,090.00						
22-01226	09/27/22	1	PEC00010 PECO	108.61	SUMMARY BILL PROCESSING CENTER					
22-01226	09/27/22	2	304 fellowship	568.98	06-409-000-036	Electric	Expenditure	Aprv	76	1
22-01226	09/27/22	3	2500 eagle farms rd	44.62	06-409-000-036	Electric	Expenditure	Aprv	77	1
22-01226	09/27/22	4	seabury lane	267.44	06-409-000-036	Electric	Expenditure	Aprv	78	1
22-01226	09/27/22	5	primrose court	324.06	06-409-000-036	Electric	Expenditure	Aprv	79	1
22-01226	09/27/22	6	314 prescott dr	35.19	06-409-000-036	Electric	Expenditure	Aprv	80	1
22-01226	09/27/22	7	meadow creek ln	477.01	06-409-000-036	Electric	Expenditure	Aprv	81	1
22-01226	09/27/22	8	301 pottstown pike	106.86	06-409-000-036	Electric	Expenditure	Aprv	82	1
					06-409-000-036	Electric	Expenditure	Aprv	83	1

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account Description	Account Type	Status	Seq	Acct
		PO #	Enc Date Item Description							
22-01226	09/27/22	9	711 dorian rd	274.85	06-409-000-036	Electric	Expenditure	Aprv	84	1
22-01226	09/27/22	10	111 dorothy ln	81.62	06-409-000-036	Electric	Expenditure	Aprv	85	1
22-01226	09/27/22	11	dorlan drive	849.52	06-409-000-036	Electric	Expenditure	Aprv	86	1
22-01226	09/27/22	12	381 little conestoga rd	236.35	06-409-000-036	Electric	Expenditure	Aprv	87	1
22-01226	09/27/22	13	milford rd	35.24	06-409-000-036	Electric	Expenditure	Aprv	88	1
22-01226	09/27/22	14	st andrews rd	40.47	06-409-000-036	Electric	Expenditure	Aprv	89	1
22-01226	09/27/22	15	park rd	1,262.71	06-409-000-036	Electric	Expenditure	Aprv	90	1
22-01226	09/27/22	16	55 pottstown pike	456.67	06-409-000-036	Electric	Expenditure	Aprv	91	1
22-01226	09/27/22	17	yarmouth lane	229.26	06-409-000-036	Electric	Expenditure	Aprv	92	1
22-01226	09/27/22	18	sunderland ave	1,731.34	06-409-000-036	Electric	Expenditure	Aprv	93	1
22-01226	09/27/22	19	kiloran wynd dr	149.20	06-409-000-036	Electric	Expenditure	Aprv	94	1
22-01226	09/27/22	20	flagstone rd	636.28	06-409-000-036	Electric	Expenditure	Aprv	95	1
22-01226	09/27/22	21	yarmouth lane-pump 1	39.98	06-409-000-036	Electric	Expenditure	Aprv	96	1
22-01226	09/27/22	22	140 pottstown pike	181.54	06-409-000-036	Electric	Expenditure	Aprv	97	1
22-01226	09/27/22	23	275 fellowship rd	5,646.32	06-409-000-036	Electric	Expenditure	Aprv	98	1
22-01226	09/27/22	24	heron hill	62.75	06-409-000-036	Electric	Expenditure	Aprv	99	1
22-01226	09/27/22	25	indian springs dr	65.94	06-409-000-036	Electric	Expenditure	Aprv	100	1
22-01226	09/27/22	26	yarmount lane-pump 2	50.02	06-409-000-036	Electric	Expenditure	Aprv	101	1
22-01226	09/27/22	27	hemlock lane	84.77	06-409-000-036	Electric	Expenditure	Aprv	102	1
22-01226	09/27/22	28	fellowship rd	409.15	06-409-000-036	Electric	Expenditure	Aprv	103	1
				14,456.75						
22-01224	09/27/22	PENN9080	PENNSYLVANIA ONE CALL	134.43	P.O. BOX 640407 06-420-000-329 PA One Call		Expenditure	Aprv	72	1
				134.43						
22-01225	09/27/22	PREDOC	09/27/22	14	CHRIS EVYN LANE					
22-01225	09/27/22	1	prescott-install pump #1	760.00	06-420-000-025 Maintenance & Repair		Expenditure	Aprv	73	1
22-01225	09/27/22	2	moore rd-install bolts on#1 #2	1,213.78	06-420-000-025 Maintenance & Repair		Expenditure	Aprv	74	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct Description
22-01225	09/27/22	3	moore rd-pump & haul	500.00	06-420-000-031	Pump & Haul	Expenditure	Aprv	75	1
				2,473.78						
22-01229	09/27/22	1	UPPER070 UPPER UWCHLAN TOWNSHIP	86,960.05	140 POTTSTOWN PIKE	Administration	Expenditure	Aprv	115	1
				86,960.05						
22-01230	09/27/22	1	USABL020 USA BLUE BOOK	248.95	PO BOX 9004	Chemicals	Expenditure	Aprv	116	1
				248.95						
22-01231	09/27/22	1	VERIZFIO VERIZON	1,095.27	PO BOX 15124	Telephone	Expenditure	Aprv	117	1
				1,095.27						
22-01231	09/27/22	2	ma - telephone	142.40	06-409-000-032	Telephone	Expenditure	Aprv	118	1
				142.40						
				1,237.67						

Checks:	Count	Line Items	Amount
	14	118	145,911.16

There are NO errors or warnings in this listing.

September 22, 2022
03:19 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: 13 to 15
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
09/27/22	ARROC010	ARRO CONSULTING, INC.	12,226.82	2696
09/27/22	DECKM010	DECKMAN MOTOR & PUMP, INC	24,818.52	2696
09/27/22	PRED0010	PREDOC	13,806.25	2696

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	3	0	50,851.59	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	<u>3</u>	<u>0</u>	<u>50,851.59</u>	<u>0.00</u>

September 22, 2022
03:16 PM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 09/27/22 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 Description	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description								
	09/27/22	ARROC010	ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
22-01215	09/27/22	1	meadow creek sewer extension	8,548.19	07-483-000-110	Expenditure	Expenditure	Aprv	1	1
					Capital Construction - Meadow Creek					
22-01215	09/27/22	2	milford road sewer extension	1,121.00	07-483-000-100	Expenditure	Expenditure	Aprv	2	1
					Capital Construction - Milford Farms					
22-01215	09/27/22	3	byers road sewer design	2,557.63	07-483-000-130	Expenditure	Expenditure	Aprv	3	1
					Capital Construction - Byers Road					
				12,226.82						
	09/27/22	DECKM010	DECKMAN MOTOR & PUMP, INC		49 W. FRONT STREET					
22-01217	09/27/22	1	rt100-rebuilt pump 4SE15034L	10,698.00	07-483-000-000	Expenditure	Expenditure	Aprv	4	1
					Capital Repair					
22-01217	09/27/22	2	rt100-new motor P24H2001-L	9,670.52	07-483-000-000	Expenditure	Expenditure	Aprv	5	1
					Capital Repair					
22-01217	09/27/22	3	rt100-rebuilt pump HPGHHX300CD	4,450.00	07-483-000-000	Expenditure	Expenditure	Aprv	6	1
					Capital Repair					
				24,818.52						
	09/27/22	PRED0010	PREDOC		14 CHRISEVYN LANE					
22-01227	09/27/22	1	LR- sand beds and laterals	13,806.25	07-483-000-000	Expenditure	Expenditure	Aprv	7	1
					Capital Repair					
				13,806.25						

Checks: Count 3 Line Items 7 Amount 50,851.59

There are NO errors or warnings in this listing.

September 22, 2022
03:16 PM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 2

Totals by Year-Fund Fund Description	Fund	Expend Total	Revenue Total	G/L Total	Total
	2-07	50,851.59	0.00	0.00	50,851.59
Total of All Funds:		<u><u>50,851.59</u></u>	<u><u>0.00</u></u>	<u><u>0.00</u></u>	<u><u>50,851.59</u></u>

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

ASSETS

	<u>Cash</u>	
06-100-000-010	General Checking - Fulton Bank	\$ 137,569.89
06-100-000-015	General Checking - Meridian Bank	571,937.27
06-100-000-020	General Checking - WIPP	380,232.10
06-106-000-002	Connection Fee Account	722,983.26
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA	-
	Total Cash	1,812,722.52
	<u>PSDLAF Investments:</u>	
06-109-000-003	CD Program	-
06-109-000-004	Full Flex	188.21
		188.21
	Total Investments	188.21
	<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
	Total Accounts Receivable	290,595.70
	<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	807.69
06-130-000-005	Due from Stormwater Fund	-
06-130-000-006	Due from Sewer Fund	-
06-152-000-000	Undeposited Funds	-
06-155-000-000	Pre-Paid Expenses	-
06-155-000-010	Pre-Paid Attorney Fees	-
	Total Other Current Assets	22,187.17
	<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)	-
	Total Fixed Assets	-
	<u>Other Long Term Assets</u>	
06-162-000-002	Excess Treatment Capacity	-
	Total Other Long Term Assets	-
	Total Assets	\$ 2,125,693.60

Upper Uwchlan Township Municipal Authority
Balance Sheet
As of August 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	152,695.19
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	55,363.23
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	7,514.12
06-241-000-100	Retainage on Phase II Construction Project	-
06-245-000-000	Due to Customers	275.00
	Total Current Liabilities	215,847.54
<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)	484,858.62
	Total Equity	1,909,846.06
	Total Fund Balance	1,909,846.06
	Total Liabilities & Fund Balance	\$ 2,125,693.60

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended August 31, 2022

		Actual 2022 YTD	Budget 2022	% of Budget	Actual	Budget 2021
					2021 <i>(unaudited)</i>	
REVENUES						
06-340-000-000	Interest Income	\$ 1,038.80	\$ 1,000.00	103.9%	\$ 4,580.74	\$ 43,500.00
06-365-000-000	Usage Fees Residential	1,796,880.20	2,375,580.00	75.6%	2,368,526.15	2,250,000.00
06-365-000-001	Usage Fees Commercial	62,778.00	100,000.00	62.8%	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!	-	-
06-354-000-020	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
	TOTAL REVENUES	\$ 1,883,021.00	\$ 4,350,080.00	43.3%	\$ 2,782,788.15	\$ 7,537,250.00
EXPENDITURES						
<i>General:</i>						
06-400-000-001	Administration - UUT	214,514.16	275,000.00	78.0%	273,411.49	264,736.00
06-400-000-002	Authority Administrative Expense - ARRO	53,731.96	120,000.00	44.8%	122,801.85	120,000.00
06-400-000-004	Authority Administrator - MB	22,127.98	-	#DIV/0!	-	-
06-400-000-003	Professional Fees	-	5,000.00	0.0%	-	5,000.00
06-400-000-200	Admin Supplies	279.60	1,000.00	28.0%	520.00	1,000.00
06-400-000-341	Advertising	154.78	3,000.00	5.2%	154.78	3,000.00
06-400-000-352	Insurance - Liability	3,668.25	4,891.00	75.0%	5,157.80	5,370.00
06-400-000-355	Bank Fees	128.00	250.00	51.2%	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	12,348.03	25,000.00	49.4%	14,487.19	25,000.00
06-406-000-100	Utility Billing Costs	7,254.42	13,000.00	55.8%	7,523.36	13,000.00
06-408-000-000	Engineering Fees	65,201.00	150,000.00	43.5%	359,406.40	150,000.00
06-408-000-100	Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
		385,808.18	604,641.00	63.8%	789,639.87	595,256.00
<i>Building Expenses:</i>						
06-409-000-031	Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032	Telephone	10,816.61	17,500.00	61.8%	16,286.97	15,000.00
06-409-000-035	Insurance	10,462.50	13,950.00	75.0%	10,892.20	15,000.00
06-409-000-036	Electric	157,121.74	250,000.00	62.8%	225,868.29	250,000.00
06-409-000-037	Water	9,121.02	20,000.00	45.6%	31,938.83	20,000.00
06-409-000-052	Bldg Maint & Repair	-	10,000.00	0.0%	-	10,000.00
06-409-000-260	Building Supplies & Small Tools	-	15,000.00	0.0%	-	15,000.00
06-409-000-427	Waste Disposal	-	-	#DIV/0!	-	-
		187,521.87	331,450.00	56.6%	284,986.29	330,000.00
<i>Operations:</i>						
06-420-000-020	Supplies	2,533.61	50,000.00	5.1%	20,869.89	50,000.00
06-420-000-022	Chemicals	6,154.23	15,000.00	41.0%	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	99,484.07	150,000.00	66.3%	170,967.64	120,000.00
06-420-000-030	Testing	26,191.25	50,000.00	52.4%	37,959.86	35,000.00
06-420-000-031	Pump & Haul	66,053.32	75,000.00	88.1%	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	128,396.06	175,000.00	73.4%	134,070.00	150,000.00
06-420-000-048	Misc expenses	366.50	10,000.00	3.7%	4,514.57	10,000.00
06-420-000-235	Vehicle Maintenance	-	2,000.00	0.0%	372.87	2,000.00
06-420-000-329	PA One Call	146.65	2,500.00	5.9%	1,602.79	2,500.00
		360,836.11	564,500.00	63.9%	500,388.01	474,500.00

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended August 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	
		<hr/>	<hr/>	50,000.00	0.0%	318,066.79	2,900,000.00
Total Expenditures before Operations Agreement and Transfers		\$ 934,166.16	\$ 1,550,591.00	60.2%	\$ 1,893,080.96	\$ 4,299,756.00	
Net Income before Operations Agreement and Transfers		\$ 948,854.84	\$ 2,799,489.00	33.9%	889,707.19	3,237,494.00	
<u>Other:</u>							
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	0.0%	-	-	
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	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	
		<hr/>	<hr/>	163,996.22	572,994.00	28.6%	
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	
06-492-000-010	Transfer to Sewer Fund	-	-	#DIV/0!	-	-	
06-492-000-020	Transfer to Water Resource Protection Fund	-	-	#DIV/0!	-	-	
06-492-000-030	Transfer to UUT Capital Fund	300,000.00	-	#DIV/0!	-	-	
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	
TOTAL EXPENDITURES		\$ 1,398,162.38	\$ 2,123,585.00	65.8%	\$ 2,466,020.69	\$ 4,872,700.00	
OPERATING INCOME		\$ 484,858.62	\$ 2,226,495.00	21.8%	\$ 316,767.46	\$ 2,664,550.00	

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

ASSETS

	<u>Cash</u>	
07-100-000-010	General Checking - Fulton Bank	\$ 45,799.08
07-110-000-200	Fulton Bank - Bond Proceeds	5,070,008.22
	Total Cash	5,115,807.30
	<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	-
	Total Other Current Assets	-
	<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)	
	Total Fixed Assets	1,826,637.44
	<u>Other Long Term Assets</u>	
06-162-000-002	Excess Treatment Capacity	1,649,293.24
	Total Other Long Term Assets	1,649,293.24
	Total Assets	\$ 8,591,737.98

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	12,226.82
	Total Current Liabilities	5,247,062.37
	<u>Equity</u>	
07-272-000-001	Retained Earnings	-
	Current Period Net Income (Loss)	3,344,675.61
	Total Equity	3,344,675.61
	Total Fund Balance	3,344,675.61
	Total Liabilities & Fund Balance	\$ 8,591,737.98

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

For the Period Ended August 31, 2022

		Actual 2022 YTD	Budget 2022	% of Budget	Actual 2021 (unaudited)	Budget 2021
<u>REVENUES</u>						
07-340-000-000	Interest Income	\$ 1,197.97	\$ 4,000.00	29.9%	-	-
07-395-000-100	Transfer from MA Operating Fund	3,933,199.73		#DIV/0!	#DIV/0!	
	TOTAL REVENUES	\$ 3,934,397.70	\$ 4,000.00	98359.9%	\$ -	\$ -
<u>EXPENDITURES</u>						
<i>General:</i>						
07-400-000-355	Bank Fees	617.17	400.00	154.3%	-	-
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!	-
		617.17	122,400.00	0.5%	-	-
<i>Capital Construction</i>						
07-483-000-000	Capital Repair	-		#DIV/0!	-	-
07-483-000-100	Capital Construction - Milford Farms	12,989.50	700,000.00	1.9%	-	-
07-483-000-110	Capital Construction - Meadow Creek	42,411.25	750,000.00	5.7%	-	-
07-483-000-120	Capital Construction - Eaglepointe	-	-	#DIV/0!	-	-
07-483-000-130	Capital Construction - Byers Road	533,704.17	785,000.00	68.0%	-	-
07-483-000-140	Capital Construction - Route 100	-	52,460.00	0.0%	-	-
07-483-000-150	Capital Construction - Marsh Harbour	-	12,300.00	0.0%	-	-
07-483-000-160	Capital Construction - St. Andrew's Brae	-	10,000.00	0.0%	-	-
07-483-000-170	Capital Construction - Greenridge	-	-	#DIV/0!	-	-
07-483-000-180	Capital Construction - Lakeridge	-	-	#DIV/0!	-	-
07-483-000-190	Capital Construction - Saybrooke	-	-	#DIV/0!	-	-
07-493-000-083	Depreciation	-	130,000.00	0.0%	#DIV/0!	-
		589,104.92	2,439,760.00	24.1%	-	-
	TOTAL EXPENDITURES	\$ 589,722.09	\$ 2,562,160.00	23.0%	\$ -	\$ -
	OPERATING INCOME	\$ 3,344,675.61	\$ (2,558,160.00)	-130.7%	\$ -	\$ -

Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Receivables and Collections

	August 2022	July 2022	Change
Beginning Receivable Balance	280,607.76	280,607.76	-
<u>Billings:</u>			
Calculated charges billed	1,831,782.97	1,833,180.05	(1,397.08)
Billing adjustments			-
Late payment penalty	43,584.99	43,584.99	-
Adjustments	(14,350.87)	(13,119.87)	(1,231.00)
	2,141,624.85	2,144,252.93	(2,628.08)
<u>Less:</u>			
Collections*	1,858,075.84	1,367,201.88	(490,873.96)
 Receivable balance, month end	 283,549.01	 777,051.05	 (493,502.04)

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)

	8/31/2021	8/31/2022	7/31/2022	6/30/2022	5/31/2022	4/30/2022	3/31/2022	2/28/2022	12/31/2021
Number of delinquent accounts	177	185	103	123	76	91	121	166	141
Total delinquent balance	\$ 220,952	\$ 148,161	\$ 74,585	\$ 136,207	\$ 105,908	\$ 122,600	\$ 145,711	\$ 165,527	\$ 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.

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

170 Dallas St.
Box 475
Atglen, Pa. 19310

September 21, 2022

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

RE: Report for the September meeting

Dear Authority,

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

Route 100

We continue to spray and drip around the second round of harvesting. Ehrlich was out to respray some of the rip rap around the lagoons because of weed regrowth. This is part of the agreement and there will be no charge. Predoc was out to replace a faulty mini cass at the Upland Farms pumping station. It was signaling a false high temp alarm preventing the pump from running when called. McGovern hauled sludge.

Eaglepointe

Plant is chugging along. There was a caustic mini bulk delivery by Univar. We will need Delpac soon as well. I am still working to ease the Thursday through Sunday flow surges. Hauling has helped.

Marsh Harbour

Plant is running fine. The fields were cut and are in the process of baling.

Lakeridge

Plant is running well. McGovern hauled sludge. After what seems like ages, Deckmans was finally able to track down a suitable pump and motor to replace the one that had gone bad for the effluent dosing station. Delivery in 6-8 weeks. Keep your fingers crossed!

Saybrooke

Plant is running fine. No operational issues were noted. A neighbor asked about planting some trees on his property to help block the view. I had told him to check with the office on setback requirements, etc.

Greenridge

The drip has been shut off as the fields are being cut and harvested. The permit renewal has been sent in. The fee to the state of \$5,000.00 was a bit of a shock. They have however waived the fee for NPDES or stream discharge plants.

St. Andrews

Plant is running fine. The filters were cleaned. We will be ordering Delpac here as well. This is for phosphorous removal.

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

Respectfully,

Brian Norris



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

MEMORANDUM

TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: September 20, 2022

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

Byers Station

Village at Byers Station (5C), Lot #1 Townhouse Parcel: The Village at Byers Station (Parcel 5C) pre-construction meeting was held on October 18, 2017. Construction is expected to start within three weeks. The Village at Byers Station (Parcel 5C) site contractor, by email dated November 14, 2017, started submitting its sanitary sewer shop drawing submittals. ARRO reviewed and commented on the submittals. Brubacher Excavating started sanitary sewer installation work on January 4, 2018. The Village of Byers Station (5C) sanitary sewer installation work continues through February 2018, approximately 40% of the sewer mains and laterals have been installed. Sanitary sewer installation work continues through March 2018. As of mid-April 2018, all sanitary sewer mains and laterals have been installed and air tested, while 75 percent of the sewer mains have also passed deflection testing. As of mid-May 2018, all sanitary sewer mains have passed pressure and deflection testing and only manhole vacuum testing remains to be done after base paving is completed. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. ARRO approved escrow release No. 1 in the amount of \$302,330.01 by letter dated September 6, 2018. Installation of the gravity house service line to each new townhouse began on September 13, 2018. ARRO reviewed the sanitary sewer videos submitted by Toll Brothers on October 19, 2018. The pipe is in good condition with only minor debris in a few runs that need to be flushed and cleaned. ARRO emailed Toll Brothers on November 2, 2018 with a list of the runs that needed cleaned. Installation of the last four house service lines to new townhouses was completed on March 3, 2021. ARRO received an August 10, 2021 email from Toll Brothers requesting ARRO observe the current condition of the sanitary sewer and prepare a list of items to complete ahead of sanitary sewer system dedication. ARRO will conduct the work the week of August 23, 2021. ARRO completed its observations of the current condition of the sanitary sewer installed as part of Lot #1 (and through Lot #2A) and prepare a list of items to complete. ARRO prepared a September 16, 2021 letter to Toll Brothers including the sanitary sewer list of items that Toll needs to complete for dedication. ARRO completed its observations of two additional manholes that were previously inaccessible and on October 11, 2021 sent Toll Brothers an email with further items that need to be completed at each manhole. ARRO is in the process of reviewing the Toll Brothers sanitary sewer record drawings submitted to ARRO for the project on February 17, 2022. Toll Brothers also submitted the maintenance bond calculations for ARRO's review and approval. ARRO reviewed and responded to Toll Brothers on February 24, 2022 approving the sanitary sewer 18-Month Maintenance Bond amount of \$52,685.00. ARRO reviewed the initial sanitary sewer record drawings submission and

returned comments to Toll on March 4, 2022. ARRO is now reviewing the revised set of record drawings submitted by Toll on March 14, 2022. ARRO reviewed and commented on three sets of record drawings submitted by Toll Brothers before finally accepting them on April 6, 2022. ARRO reviewed sanitary sewer easement documents and sent comments to Toll Brothers' counsel on April 29, 2022. ARRO reviewed revised sanitary sewer easement documents submitted by Toll Brothers' counsel on May 20, 2022 and replied on May 24, 2022 that it had no further comments to the documents. On June 1, 2022 ARRO confirmed all sanitary sewer dedication punchlist items have been completed by Toll Brothers. On July 27, 2022 Toll Brothers submitted the final sanitary sewer dedication package to Upper Uwchlan Township.

Nothing new to report.

Village at Byers Station (5C), Lot #2, Residential (2A): ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFPMP) package. The Developer's engineer submitted a 9,025 gpd sanitary sewer capacity request at the Route 100 WWTP facility. ARRO reviewed the Amended Final PRD Plans submitted by Bohler Engineering and prepared a February 27, 2018 letter to the Township with comments to the Plans. Sewage Facilities Planning Modules were sent to PADEP on April 18, 2018. ARRO reviewed Amended Final PRD Plans, last revised May 7, 2018, and submitted a May 30, 2018 letter to the Township containing comments to the Plans. Additional revised Plans were submitted on July 12, 2018 and are currently under review. The PADEP SFPMP approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019 comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors' meeting, it was approved to send the revised Lot #2 Commercial Parcel SFPMP 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 SFPMP 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 SFPMP package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020

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

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

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

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.

Eagle Hunt

Nothing new to report.

Eaglepointe

Wastewater Treatment Plant: ARRO is working on a plan to convert the Eaglepointe WWTP into a pretreatment facility before sending the effluent on to the Route 100 Regional WWTP for final treatment. It is proposed to design and construct an effluent pump station for a 2-inch force main. ARRO has laid out a preliminary force main route from the Eaglepointe WWTP to the proposed Byers Road sanitary sewer extension across Route 100.

Nothing new to report.

Liberty Union Bar & Grille: Liberty Union effluent was tested and BOD, fat & oil and nitrogen results were found to be higher than the Non-Residential Waste Discharge (NRWD) resolution limits. A November 13, 2017 letter was sent to Liberty Union advising them of their discharge overages and

the need to meet with the Authority Administrator, Clean Water and ARRO to discuss how Liberty Union could lower the three elevated discharges. The meeting will take place on November 30, 2017. The Authority Administrator, Clean Water and ARRO met with Liberty Union on November 30, 2017 to discuss how to lower the three elevated discharges. Liberty Union stated they will institute existing grease trap cleaning reforms and update their dish cleaning policy. Clean Water will take additional samples periodically to check the reforms. Clean Water conducted a grab sampling of Liberty Union discharges on January 31, 2018. Sampling test results for Phosphorus, BOD and Oil/Grease continue to be above the Authority's NRWD resolution limits. ARRO had a telephone discussion with Liberty Union on February 23, 2018 about high sampling results. Liberty Union requested a third sampling as a composite sample like the first sampling. The Authority Administrator authorized Clean Water to set up the new composite sampling, which was done over February 19 and 20. A lab error occurred with the sample collected on March 29, 2018. The lab scheduled another sampler collection for April 5 into April 6, 2018. ARRO has not received the latest sampling test results. ARRO transmitted the April 6, 2018 test results to Liberty Union. ARRO is preparing comments to Liberty Union questions on the test results. ARRO prepared comments to Liberty Union questions on the test results. Ten random grab samples for analysis will be taken from the Liberty Union pump station wetwell. Two grab samples have been analyzed and BOD exceeds 1000 mg/L in both samples. The results of two grab samples (collected September 25 and 27) were received and the BOD is below 500 mg/L in both. The results of seven grab samples collected between September 5 and October 10, 2018 all had BOD above the NRWD maximum 250 mg/L threshold, the highest result was 1,700 mg/L. The Authority Administrator and ARRO conducted a meeting with Liberty Union and Epicurean Garage to discuss grease traps and grease entering the sanitary sewer system. Attached is a memo dated July 22, 2021 which list the recommended additions/revisions to the Non-Residential Waste (NRW) Resolution.

Nothing new to report.

Dilibero - Go-Wireless, Eagle Car Wash and Enterprise Rent-A-Car Sanitary Sewer Connection:

ARRO is conducting an evaluation of the wastewater treatment capacity and feasibility for connecting these three businesses to the Eaglepointe WWTP sanitary sewer system. ARRO completed the evaluation, including a piping layout and cost estimate, and it is now under internal review. On April 20, 2018 ARRO transmitted its sanitary sewer evaluation to Dilibero. ARRO has been responding to sanitary sewer related questions from Dilibero's sewer contractor. On March 7, 2019 ARRO transmitted the Authority's Eaglepointe sanitary sewer and easement drawings to Dilibero's engineer for use in preparing their sanitary sewer extension plans. Eagle Service Center is unwilling to consent to a sanitary sewer easement across its property. ARRO has prepared an alternative to an entirely gravity sewer design with a preliminary low-pressure force main design that crosses through the CarSense property in order to avoid the Eagle Service Center property. ARRO has communicated with the property owner's counsel and is preparing alternative sanitary sewer connection sketch designs for consideration. ARRO prepared an alternative sanitary sewer connection sketch design and on October 2, 2020 transmitted the sketch to the property owner and its counsel for consideration. On June 4, 2021 the Authority Administrator and ARRO met with the owner regarding this project. ARRO prepared an exhibit drawing showing proposed temporary and permanent sanitary sewer easements across both the Citadel Bank and Eagle Service Center lots. The exhibits were sent to the property owners for review. If the exhibits are accepted easement agreements will be prepared. ARRO attended a July 29, 2021 meeting with Eagle Retail Associates and the prospective future owner of Eaglepointe to discuss the proposed Dilibero sanitary sewer that will cross through the Eaglepointe lot containing Citadel Credit Union. ARRO prepared exhibit drawings showing temporary and permanent sanitary sewer easements across both the Citadel Credit

Union and Eagle Service Center lots. Based on initial discussions some revisions were made and easement agreements will be drafted. 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.

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

Agreement for Expansion of the Route 100 Central WWTP. ARRO had a February 12, 2020 meeting with Keystone Engineering at the Reserve at Eagle PS #1 to discuss electrical revisions to the station in support of the upgrade necessary to carry McKee flows. ARRO continues reviewing the project's sanitary sewer materials shop drawings. Site contractor construction schedule shows start of sanitary sewer installation as the last week of February 2020. Site contractor started sanitary sewer installation on March 4, 2020. Site contractor suspended sanitary sewer installation work due to coronavirus restrictions. On May 1, 2020 Ebert Engineering submitted initial plans for the Reserve at Eagle Pump Station Upgrade. ARRO transmitted a May 12, 2020 email to Ebert Engineering with review comments to Reserve at Eagle Pump Station Upgrade plans. ARRO received an email from Ebert Engineering that the initial submission of the Upland Farms drip pump station upgrade and Fetter's site drip field design would be submitted during the week of May 25. On June 12, 2020 ARRO received from Ebert Engineering the initial submission of the Fetter's Tract Drip Disposal System Part II WQM Permit Application, Design Engineer's Report and Drip Disposal System design drawings issued for WQM review. ARRO is in the process of reviewing the documents. ARRO reviewed E. B. Walsh Utility Coordination drawings and Ebert Engineering revised low pressure sewer system drawings and issued June 17, 2020 comments to each drawing set. On June 25, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design that removed the Drip Filter Building, along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO transmitted comments on the documents to Ebert Engineering by email dated July 2, 2020. On July 15, 2020 E. B. Walsh submitted a revised Utility Coordination plan set to address previous ARRO comments. The plan set was primarily developed to coordinate information contained on various plans prepared by Ebert Engineering and the E. B. Walsh offices. ARRO is in the process of reviewing the revised plan set. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO is in the process of reviewing the revised plans. Gravity sanitary sewer installation continues, while low pressure sewer system shop drawings were submitted and reviewed in early August 2020. On July 24, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO is in the process of reviewing the revised documents. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO reviewed the revised plans. ARRO transmitted an August 19, 2020 email to Ebert Engineering stating it had no further comments to the plans. ARRO transmitted a September 4, 2020 email to Ebert Engineering with review comments to the revised Fetter Drip Disposal System design along with the revised WQM Part 2 Permit Application and Design Engineers Report. ARRO submitted September 2, 2020 comments to the Ebert Engineering drawings of the rerouted Reserve at Eagle PS #1 force main around existing Manhole #500 necessary to facilitate the installation of new gravity sewer between the manhole and the pump station wetwell. The drawings were subsequently revised and approved by ARRO. Sanitary sewer and force main work at the Reserve at Eagle PS #1 was completed and tested. All sanitary sewer was completed and tested between the Reserve at Eagle PS #1 and the Toll/McKee model homes. House service lines at the four McKee model homes and the two Toll Brothers model homes were completed and tested. ARRO reviewed the revised Fetter's Drip Disposal WQM application, design engineer's report and drawings submitted by Ebert Engineering on November 8, 2020 and has no further comments to the documents. On January 8, 2021 the Authority Administrator signed the Fetter's Tract Drip Disposal WQM permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. ARRO reviewed Phase 1 sanitary sewer escrow release No. 1 and prepared a February 24, 2021 letter to the Township approving the quantities and the escrow release's requested amount of \$669,462.83. Work continues on installation and testing of gravity and low-pressure sewer system mains. On July 1, 2021, McKee transmitted Phase 1 sanitary sewer escrow release No. 2 request to ARRO. ARRO is in the process of reviewing the request. After reviewing McKee's Phase 1 sanitary sewer escrow release No. 2 request, ARRO prepared a list of items to complete based on ARRO RPR records. ARRO also prepared an August 17, 2021 letter to the Township recommending withholding \$19,721.85 to cover the costs to complete the work items in the

list and finding acceptable the release of \$207,270.85 to McKee. A pre-construction meeting for Phase 2 and Phase 3 was conducted on December 6, 2021. The sanitary sewer systems in both phases are low pressure sewer. The contractor has started to submit the sanitary sewer component shop drawings. Phase 2 and Phase 3 sanitary sewer installation has not begun as of February 17, 2022. Phase 2 sanitary sewer installation began on March 14, 2022. On March 8, 2022, Ebert Engineering submitted a February 14, 2022 letter from Hydro Designs, Inc. with the concept of combining the drip systems of both Upland Farms and Preserve at Marsh Creek under one process control. ARRO is reviewing the letter. On April 29, 2022, the Authority Administrator and ARRO received an email that McKee has authorized MGK to proceed with the Reserve at Eagle Pump Station #1 upgrades.

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

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.

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.

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.

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.

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.

Jankowski (Chester Springs Crossing)

ARRO issued a May 5, 2017 review letter to the Township with comments to the September 13, 2016 Conditional Use Plan for the Jankowski Tract. On February 2, 2018, the Developer's engineer submitted for review subdivision plans of a 55 Single Family Housing unit community. ARRO is working on a review of the sanitary sewer portion of the subdivision plans. ARRO completed its review of the Preliminary/Final Subdivision-Land Development Plan submitted by E. B. Walsh and prepared a February 26, 2018 letter to the Township with comments to the Plans. ARRO responded to Toll Brothers regarding the Windsor Ridge Pump Station capacity to receive Jankowski estimated sanitary flow. ARRO reviewed the Preliminary/Final Subdivision-Land Development Plan, last revised May 18, 2018, and prepared June 11, 2018 comments to the Township. Sewage Facilities Planning Module Components 4A, 4B and 4C were received. Presently the project is in the 30-day Public Notice periods, which upon completion the Township can submit the components to PADEP. The Authority Administrator sent an August 14, 2018 letter to Chester County Health Department (CCHD) regarding CCHD's Component 4C comment about malfunctions along Surrey Lane, Font Road and Carriage Drive. The Administrator stated the Authority will be evaluating future extensions in these areas. Subsequently, ARRO conducted a small conceptual planning study to sewer these areas. ARRO presented three sewer extension options and cost opinions to the Authority Administrator for review and comment. The first gravity and low-pressure sewer concept sends all flow through the Jankowski tract, the second all-gravity sewer concept sends some flow through Jankowski and the remainder to Reserve at Eagle, while the third all gravity sewer concept sends all flow to the Reserve at Eagle. ARRO is reviewing the latest Preliminary/Final Subdivision Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. SFPM Components 4A, 4B and 4C were received, but the bog turtle clearance letter from PA Fish & Wildlife is still outstanding. The UUT Board of Supervisors authorized the resolution needed for the Sewage Facilities Planning Module at their October 15, 2018 meeting but are holding it until the clearance letter is issued. ARRO prepared an August 30, 2018 sanitary sewer review letter to the latest Preliminary/Final Subdivision-Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. On February 4, 2019, ARRO received the preliminary sanitary sewer escrow calculations from Toll Brothers. ARRO reviewed the calculations and returned comments to Toll. Revised calculations were received and after review were accepted by ARRO. ARRO prepared and sent a letter to the Township recommending acceptance of the sanitary escrow in the amount of \$425,955.60. On February 27, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by letter dated March 11, 2019. On March 18, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by email dated April 1, 2019. On April 2, 2019 ARRO received from Toll Brothers a revised sanitary sewer escrow calculation based on the latest E. B. Walsh drawings. ARRO prepared an April 2 letter to the Township recommending accepting the revised escrow amount. ARRO received a May 22, 2019 email from Toll Brothers stating Jankowski construction might start in July 2019. A pre-construction meeting for the project has been scheduled for July 24, 2019. ARRO attended the July 24, 2019 pre-construction meeting and the August 21, 2019 PennDOT HOP site meeting. Sanitary sewer installation for the project is set to begin on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Sanitary sewer installation for the project began on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Garrison Drive sanitary sewer installation is almost complete and the contractor intends to continue its work in the Jankowski site. The boring for the sanitary sewer casing under Route 100 linking Jankowski and Windsor Ridge will take place sometime in October 2019. The sanitary sewer casing boring under Route 100 linking Jankowski and Windsor Ridge is scheduled for the week of October 28, 2019. The boring and casing work under Route 100

was completed the week of November 18, 2019. In order to correct a sewer misalignment through the casing Toll Brothers agreed to install two new manholes, one upstream and one downstream of the casing, and also relocate a recently installed manhole to achieve minimum sewer slope required by PADEP. Sanitary sewer installation continues within the site. Over the weeks of January 6 through January 13, 2020 two new manholes, one upstream and one downstream of the casing, were installed and one existing manhole in Garrison Drive was relocated to achieve minimum sewer slope required by PADEP. Sanitary sewer installation still continues within the site. Testing of sanitary sewer through Milford Road Extension, across Route 100 and in Windsor Ridge's Garrison Drive started the last week of January 2020 and continued into early February; all testing was positive. Installation of the gravity house service line to each new home has resumed the week of May 18, 2020. Testing of the onsite sanitary sewer continued the week of June 15, 2020. Testing of all onsite sanitary sewer was completed. Sanitary sewer televising was completed and submitted to ARRO for review and comment. ARRO reviewed the sanitary sewer televising submitted by the contractor and is preparing comments. Installation of the last gravity house service line to a new home was completed on December 8, 2021. In a January 17, 2022, email, Toll Brothers requested ARRO prepare a punchlist of work after reviewing the installed sanitary sewer. ARRO responded first Toll needs to submit its sanitary sewer system record drawings since there were significant changes to the sewer during the course of its installation. Toll Brothers submit a proposed \$67,943.00 18-month Maintenance Bond amount, which after review was accepted by ARRO. On March 29, 2022 Toll Brothers submitted the initial Chester Springs Crossing record drawings. ARRO reviewed the drawings and transmitted comment to Toll on April 14, 2022. ARRO is in the process of preparing a punchlist of sanitary sewer items for Toll to complete ahead of dedication. On May 17, 2022 ARRO reviewed the second revision to the record drawings and sent approval of the record drawings to Toll Brothers. On April 28, 2022, ARRO sent Toll Brothers a list of sanitary sewer items to complete as part of dedication. On May 25, 2022, ARRO confirmed that Toll Brothers completed fixing most of the items to complete; only two manhole covers remain to be replaced with Authority standard castings. On July 14, 2022, ARRO returned comments to the reviewed dedication documents prepared Toll Brothers' counsel for Grant of Sanitary Sewer Easements in Roads (Maggie Lane, Michael Way & Milford Road Extension), Grant of Sanitary Sewer Easements in Open Space, Maintenance Security Agreement, and Maintenance Bond. ARRO reviewed updated dedication documents prepared Toll Brothers' counsel for Grant of Sanitary Sewer Easements in Roads and in Open Space, the updated Maintenance Security Agreement, and the Maintenance Bond. ARRO had no further comments to the documents.

Nothing new to report.

Lakeridge

ARRO is preparing an evaluation of the wastewater plant and sanitary sewer to assess the feasibility of connecting six (6) homes along Moore Road to the sanitary sewer system. ARRO completed its evaluation of the wastewater plant and sanitary sewer. The wastewater plant has sufficient capacity, but an extension to the existing Moore Road sanitary sewer will need to be constructed. Ivystone subdivision sanitary sewer cleaning and televising will be done on Monday, January 25, 2021 to check the condition of the sewers. The Ivystone subdivision sanitary sewer cleaning and televising was done on Monday, January 25, 2021. Two sections of sewer where the paving surface above the sewer trench has dished did show a few areas of sag in the piping, but the sags were minor in nature and not considered to have caused the paving irregularity. ARRO requested a proposal from its surveyor to prepare the initial survey for the Moore Road and Ivystone Drive sanitary sewer extension design. ARRO received a proposal from its surveyor for the initial survey of Moore Road and Ivystone Drive in support of the sanitary sewer extension design. After negotiation ARRO agreed on a \$7200 price, which was approved by the Authority Administrator. ARRO received Moore Road and Ivystone Drive survey drawing data and in the process of incorporating the information into the sanitary sewer extension design drawings. ARRO continues to prepare draft Moore Road sanitary sewer extension design drawings. ARRO is examining the extension of sanitary sewer to serve all Walter Court homes. ARRO prepared a draft letter to property owners that have sewer easements along the creek informing

them of future I&I televising. On July 12, 2022 ARRO received an \$1850 proposal to televise the 3200 LF of sanitary sewer. The Authority Administrator approved the proposal. Televising is planned for September – October 2022.

Televising of the 3200 LF of sanitary sewer is tentatively scheduled for September 21, 2022.

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.

Marsh Harbour

Nothing new to report.

Reserve at Eagle

Nothing new to report.

Route 100 WWTP

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to rerate the fields for additional capacity. ARRO engaged a sub-consultant to review the existing disposal field design records, the Route 100 WWTP SBR discharge limits and ARRO study findings. ARRO received the sub-consultant's report and is reviewing the findings. ARRO prepared a revised Route 100 Regional WWTP allocated treatment and disposal capacity summary. Based on an ARRO search and mapping study conducted in late 2016 for new disposal sites within and near the Township ARRO is evaluating a parcel on South Chester Springs Road to propose how the land could be subdivided and will be preparing an estimate of disposal capacity that would be available in the subdivided areas. ARRO evaluated a parcel on South Chester Springs Road to propose how the land could be subdivided and prepared an estimate of disposal capacity that would be available in the subdivided areas. ARRO found two potential 18-acre drip field areas on the parcel each with an average estimated capacity of 100,000 gallons per day. ARRO has initiated preliminary layout design for two potential 18-acre drip fields on the South Chester Springs Road parcel (the Bennett property). ARRO started preparing the Route 100 Regional WWTP annual groundwater monitoring report. ARRO completed preparation of the draft Route 100 Regional WWTP annual groundwater monitoring report. ARRO will submit the report to PADEP after review and comment. On July 25, 2022 ARRO submitted to PADEP the Route 100 Regional WWTP annual groundwater monitoring report.

Nothing new to report.

ARRO submitted the Act 537 Planning Grant Application to the Pennsylvania Department of Community and Economic Development on May 23, 2019. ARRO received correspondence from the Pennsylvania Department of Community and Economic Development that they will consider the UUT Act 537 Planning Grant Application at their September 17, 2019 Commonwealth Financing Authority

(CFA) Board meeting. The CFA posted its September 17, 2019 meeting grant award list and Upper Uwchlan Township was awarded the \$32,610 grant as requested on the Act 537 Planning Grant application. The UUTMA Act 537 Planning Project is awaiting the grant award documentation and agreement from CFA, which needs to be processed and signed before ARRO can move ahead with the planning. The UUTMA Act 537 Planning Project grant award documentation and agreement from CFA was signed. ARRO has started some basic planning work by reviewing past 537 Planning documents and township demographics. ARRO submitted the 2020 Route 100 Regional WWTP groundwater monitoring report to PADEP on June 19, 2020. The Authority Administrator and ARRO met on January 20, 2021 to discuss various alternatives in connection with ARRO's Act 537 planning work. The Authority Administrator and ARRO met on January 20, 2021 to discuss various alternatives in connection with ARRO's Act 537 planning work. As a follow-up to the January 20, 2021 meeting, ARRO is completing planning level studies of the various discussed alternatives, which will then be incorporated into the final planning document. At the Authority's March 2021 meeting ARRO is preparing to do a short presentation of the Act 537 planning Executive Summary. At the March 2021 Authority meeting ARRO provided the Authority with hard and electronic copies of the draft Act 537 Plan for review and ARRO is now awaiting comments from the Authority. The Act 537 Plan is ready to be sent to Chester County. ARRO went to the August 2021 Township Planning Commission meeting and received comments from the Commission to the Act 537 Plan. ARRO is in the process of preparing responses to these comments and revising the Plan based on the comments. ARRO has yet to receive comments to the Plan from the Chester County Planning Commission and the Chester County Health Department. ARRO prepared and submitted responses to the Township Planning Commission comments. ARRO will meet with the Township Planning Commission at its October meeting. The Chester County Planning Commission submitted a letter to ARRO that the draft Plan was consistent with the County's Comprehensive Plan. The Chester County Health Department has yet to provide a review letter or comments to the draft Plan. ARRO completed drive-by field confirmations of the returned OLDS surveys, but continues to place a hold on completing the in-person field verifications due to COVID-19 concerns. ARRO met with the Township Planning Commission at its October 2021 meeting, reviewed their comments on the Act 537 Plan, and provided further description relative to ARRO responses to the Commission's comments. Chester County Health Department submitted a review letter with one comment, primarily for minor verbiage clarification. The next step will be to prepare the Plan for public review and comment. Also, at the end of September 2021, ARRO submitted the Plan's quarterly status update to PADEP. ARRO prepared the Plan for public review and comment. ARRO is in the process of preparing the public notice for advertisement of the Plan for the 30 day public comment period. ARRO will coordinate with the Township to place the Notice in the newspaper within the next couple of weeks. A hard copy of the Plan will be provided to the Township to keep at the Township Office front desk for any Township resident who wish to stop by and look at it. An electronic copy will also be provided to the Township to post on their website. ARRO prepared the public notice for advertisement of the Act 537 Plan's 30-day public comment period. On December 6, 2021 ARRO transmitted the notice to the Township who will place the advertisement and an electronic version of the Plan to the Township for placement on the Township's website. ARRO also brought a hard copy of the Plan to the Township Building for public review, too. Based on Township Bordeaux Estates residents' comments to the Plan, and at the direction of the Authority Administrator, ARRO revised the Plan to delete the Bordeaux Estates subdivision's future sanitary sewer. Only the Edgefield and Highview/Waterview neighborhoods will be included in the Plan for future sanitary sewer service. On April 26, 2022, another public meeting was held and residents expressed further concerns regarding the proposed public sewer in the Bordeaux neighborhoods.

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

Route 100 WWTP – Phase III

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction. ARRO responded to February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing. ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22. ARRO received a July 17, 2020 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional WWTP Phase III project. ARRO is in the process of reviewing the documents. On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings. ARRO completed review of Ebert Engineering's revised Route 100 Regional WWTP Phase III WQM Part 2 permit application with revised upgrade design drawings transmitted November 4, 2020. On December 16, 2020 ARRO transmitted comments on the documents to Ebert Engineering. ARRO completed a review of Ebert Engineering's further revised Route 100 Regional WWTP Phase III WQM permit application design documents and had no further comments to the application. On January 8, 2021 the Authority Administrator signed the permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. Keystone Engineering has started the Route 100 Regional WWTP Phase III electrical design. ARRO met a Keystone electrical engineer at the WWTP to review the existing electrical equipment. On April 21, 2021 ARRO was informed by Ebert Engineering that the Route 100 Regional WWTP Phase III electrical design will be submitted for review and comment the week of April 26, 2021. On May 11, 2021, ARRO received from Ebert Engineering the Route 100 Regional WWTP Phase III electrical design. ARRO has started a review of the design. On June 14, 2021, ARRO received the draft Phase III final design technical specifications and drawings from Ebert Engineering for review and comment. ARRO reviewed the draft Phase III final design technical specifications and drawings and on July 21, 2021 transmitted to Ebert Engineering review comments to the documents. The Authority Administrator submitted an August 2, 2021 letter to PADEP committing to use planning-based flow numbers in the draft Act 537 Plan and expand the Plan to address new land disposal capacity. The Authority Administrator and Ebert Engineering had a September 1, 2021 email exchange with PADEP regarding the WQM permit for the Route 100 Regional WWTP Phase III project. PADEP said it would not issue the WQM permit for the full 0.800 MGD, but would limit the WQM permit to 0.600 MGD. However, PADEP could issue the permit to allow construction of the final two SBR tanks with the caveat that only three of the four SBRs can be operational at any one time. A draft copy of the permit was received by Ebert Engineering the week of September 13, 2021 and was forwarded to the Authority Administrator for review by ARRO. ARRO reviewed the draft copy of the Phase III WQM permit and prepared comments to the Authority Administrator. The ARRO comments were incorporated into a draft letter on Authority letterhead. The letter was submitted to PADEP for use as the basis for discussion in a September 29, 2021 video conference with the Authority Administrator, PADEP, Ebert Engineering and ARRO in an effort to expedite the issuance of a final permit. PADEP issued the final Phase III WQM permit under transmittal letter dated November 15, 2021. ARRO received on October 22, 2021 Ebert Engineering's first revision to the draft Route 100 Regional WWTP Phase III construction drawings and technical specifications. ARRO prepared comments to the documents and submitted them to Ebert

Engineering on November 8, 2021. ARRO prepared and submitted on November 16, 2021 further comments to the electrical design. On December 6, 2021 Ebert Engineering submitted the second revision to the draft Route 100 Regional WWTP Phase III construction drawings and technical specifications. ARRO prepared comments to the documents and submitted them to Ebert Engineering on December 20, 2021. The Phase III pre-construction meeting was held at the Upper Uwchlan Township Building on February 17, 2022. Ebert Engineering is preparing revised plans to show the 3rd and 4th effluent pumps planned under Phase 1 and Phase 2 and the inclusion of an emergency generator to power effluent pump(s) during power outages. On March 30, 2022 Dutchland transmitted an email to the Authority Administrator, Ebert Engineering, MGK and ARRO stating they found a problem with the existing SBR Digester & EQ Tank exterior wall panels. The panels that were to make up the common wall with Phase III SBR tanks do not have the correct reinforcing steel to allow a full tank on one side and an empty tank on the opposite side. A video conference was held on April 5, 2022 to discuss the issue. Subsequently, Dutchland submitted an April 11, 2022 letter with drawings showing separate SBR #3 and SBR #4 tanks. ARRO is reviewing the drawings and will provide comments. On May 6, 2022 ARRO submitted comments to the Dutchland drawings of separate SBR #3 and SBR #4 tanks structure. ARRO started review of Route 100 Regional WWTP Phase III shop drawings. ARRO submitted comments to the Aqua-Aerobics SBR materials shop drawings on May 24, 2022. ARRO reviewed and transmitted August 9, 2022 comments to Ebert Engineering on the draft Dutchland separate SBR #3 & #4 tank drawings and the Ebert Engineering revised SBR plans based on the draft Dutchland drawings.

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

ARRO also continues to review Ebert and Dutchland revisions to the Phase III design drawings and technical specifications.

Saybrooke

ARRO prepared the 2021 annual groundwater monitoring report and on June 28 transmitted the document to PADEP. ARRO has started to prepare the 5-Year Comprehensive Groundwater Monitoring Report, which will be included with the 2021 WQM permit renewal application being prepared by Clean Water. ARRO completed preparation of the 5-Year Comprehensive Groundwater Monitoring Report for the 2021 WQM permit renewal application prepared by Clean Water.

Nothing new to report.

St. Andrews Brae

Nothing new to report.

Upland Farms

ARRO is preparing plans and specifications for a low-pressure grinder pump and force main for the Barn Renovation project. ARRO estimated the purchase of 1 EDU would be required for the barn's intended uses. ARRO is attempting to obtain from PADEP a planning module exemption for the proposed barn sewer connection. ARRO received a November 19, 2020 letter from PADEP stating no planning modules need to be submitted for the proposed barn sewer connection. ARRO is working with the Township's project manager (Boyle Construction) for the sanitary sewer portion of the project. The Upland Farms Barn Renovation Sanitary Sewer Connection project is out for bids. A pre-bid meeting is scheduled for March 22, 2021 with bids due April 1, 2021. The Upland Farms Barn Renovation Sanitary Sewer Connection project bids were received. The Township is handling the project. A survey was completed and stakes set along the boundary line between the Waynebrook subdivision and Upland Farms Drip Fields "A" and "B". The site contractor has completed the installation of the barn and farm house site sanitary sewer piping. The grinder pump and its force main are installed. The contractor is waiting on the barn's new electrical system to be completed and energized in order to conduct the grinder pump start-up testing. The contractor has tentatively

scheduled the grinder pump station start-up testing for Wednesday, November 24, 2021. Start-up testing of the grinder pump station on Wednesday, November 24, 2021 was successful.

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.

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.

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.

301 Park Road – A Developer's engineer, Wilkinson & Associates, has approached ARRO for sanitary sewer information for the connection of a proposed commercial building, to be located at

301 Park Road, to the Route 100 Regional WWTP sanitary sewer system within Heather Hill Drive. Currently, the building is proposed to be sized for 11 employees. The number of EDUs has yet to be determined.

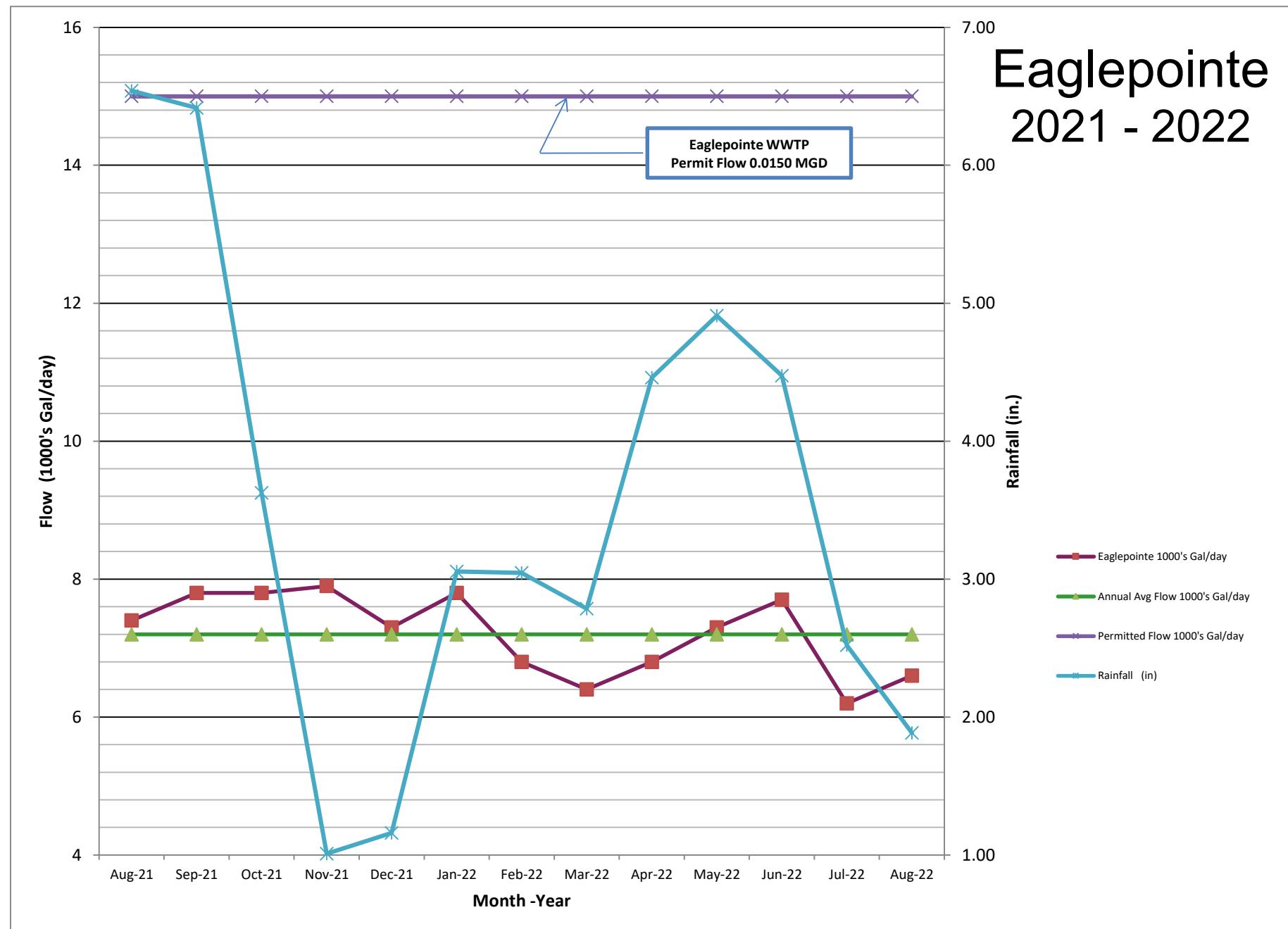
Nothing new to report.

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

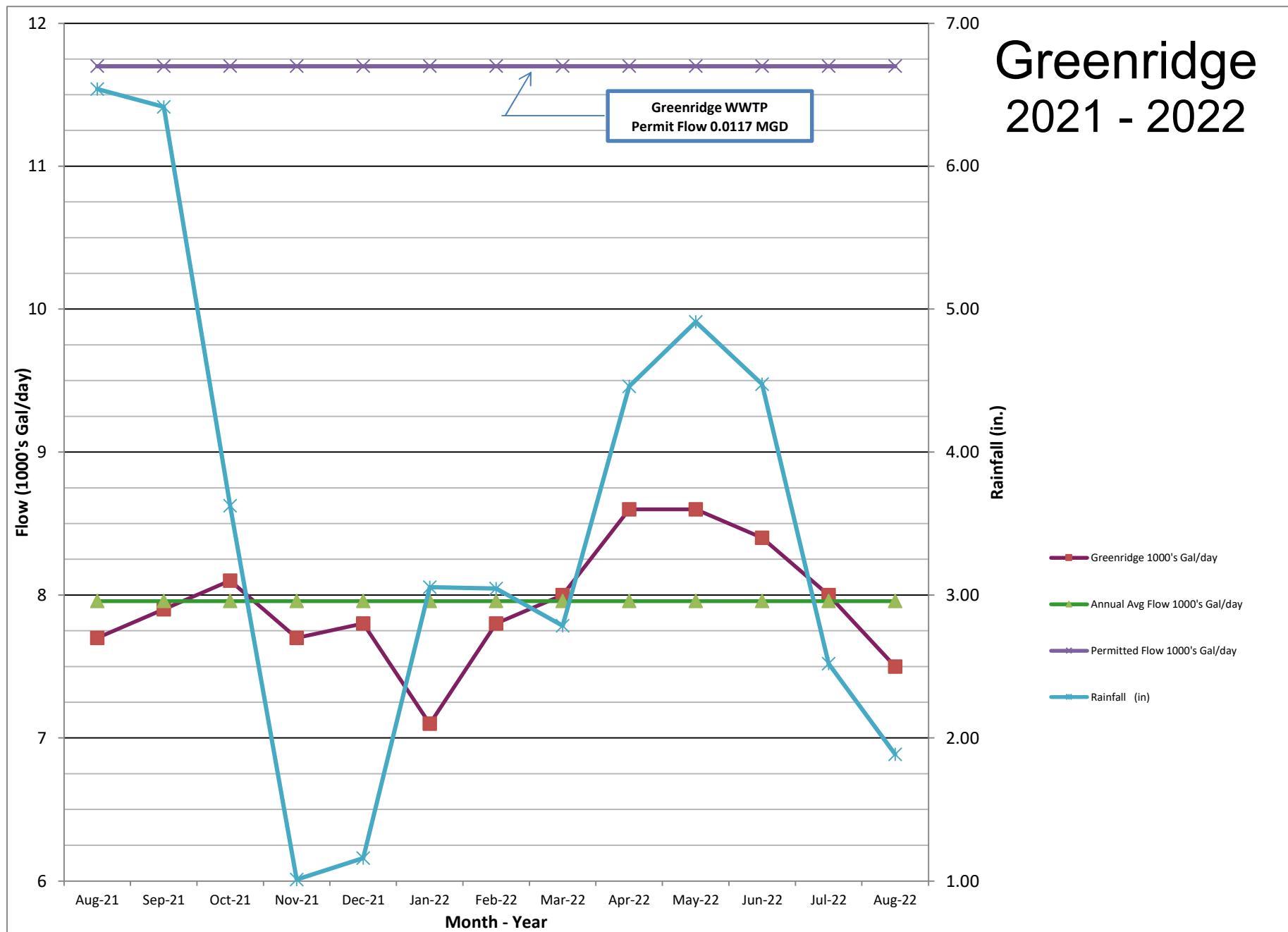
UPPER UWCHLAN MUNICIPAL AUTHORITY
WASTEWATER TREATMENT PLANTS
MONTHLY AVERAGE DAILY FLOWS

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Aug-21		0.00740	0.00770	0.02380	0.03670	0.36290	0.00710	0.00110	6.54
Sep-21		0.00780	0.00790	0.02450	0.03680	0.37500	0.00720	0.00180	6.42
Oct-21		0.00780	0.00810	0.02290	0.03630	0.37410	0.00780	0.00190	3.63
Nov-21		0.00790	0.00770	0.02330	0.03580	0.37750	0.00740	0.00170	1.01
Dec-21		0.00730	0.00780	0.02430	0.03610	0.37090	0.00730	0.00180	1.16
Jan-22		0.00780	0.00710	0.02440	0.03650	0.38300	0.00700	0.00200	3.06
Feb-22		0.00680	0.00780	0.02450	0.03490	0.39630	0.00720	0.00200	3.05
Mar-22		0.00640	0.00800	0.02400	0.03490	0.39500	0.00800	0.00220	2.79
Apr-22		0.00680	0.00860	0.02540	0.03570	0.41520	0.00810	0.00240	4.46
May-22		0.00730	0.00860	0.02540	0.03700	0.37390	0.00840	0.00190	4.91
Jun-22		0.00770	0.00840	0.02250	0.03530	0.38780	0.00850	0.00130	4.48
Jul-22		0.00620	0.00800	0.02180	0.03600	0.37010	0.00760	0.00110	2.52
Aug-22		0.00660	0.00750	0.02160	0.03500	0.37540	0.00770	0.00110	1.89
Annual Avg Flow =		0.00720	0.00796	0.02372	0.03586	0.38285	0.00768	0.00177	
Permitted Flow =		0.01500	0.01170	0.04000	0.07600	0.60000	0.00920	0.00360	

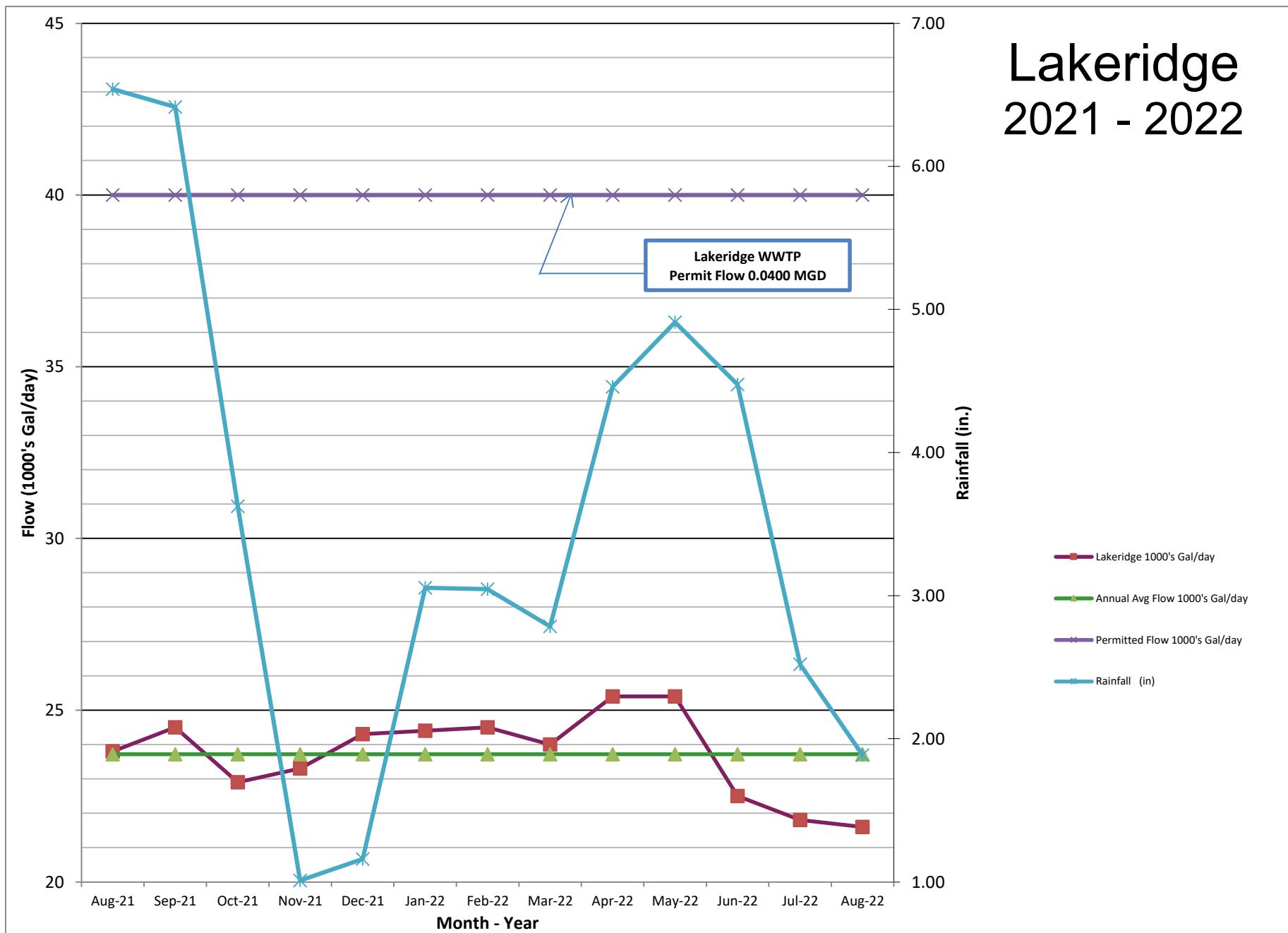
Eaglepointe 2021 - 2022



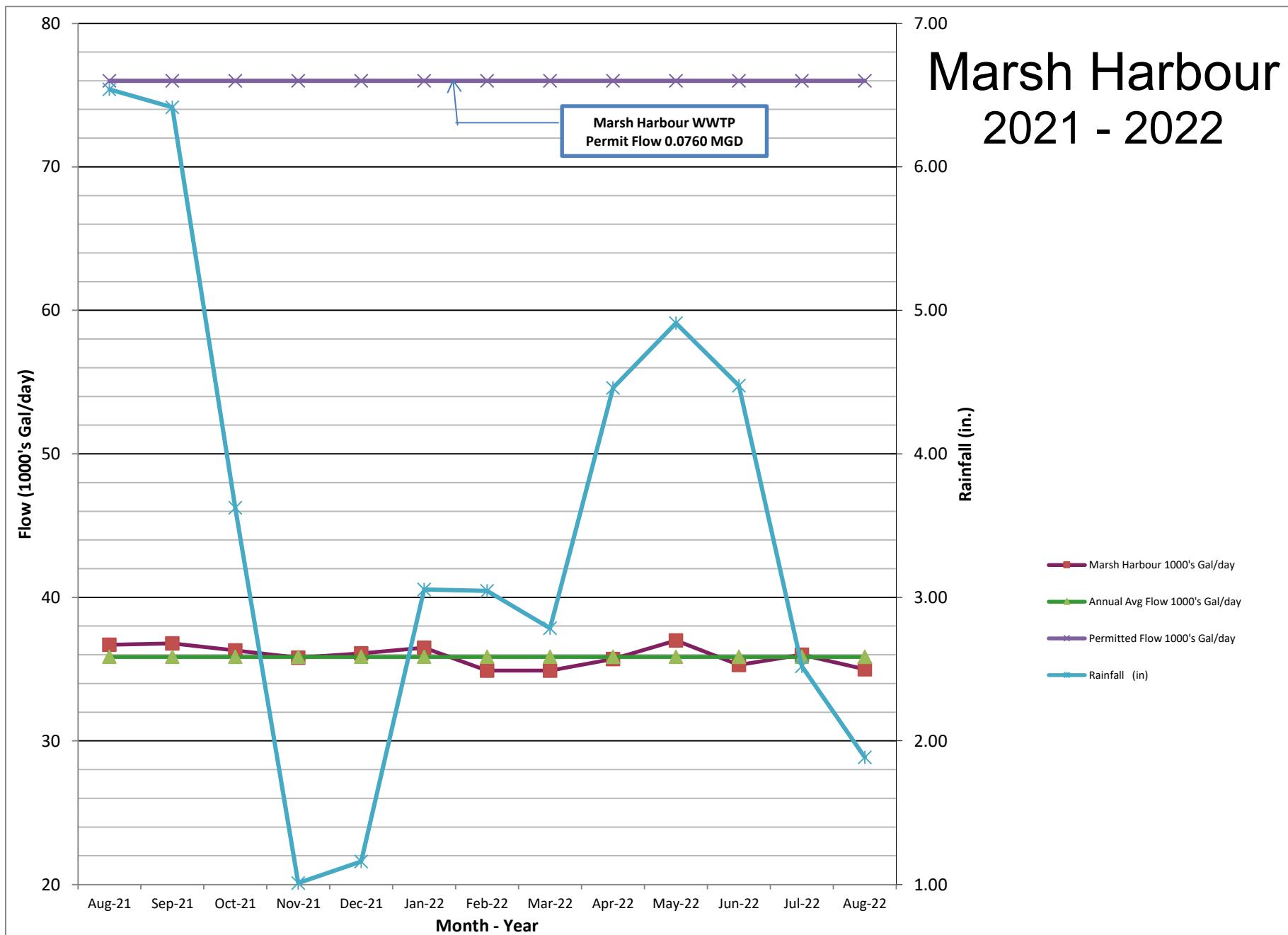
Greenridge 2021 - 2022



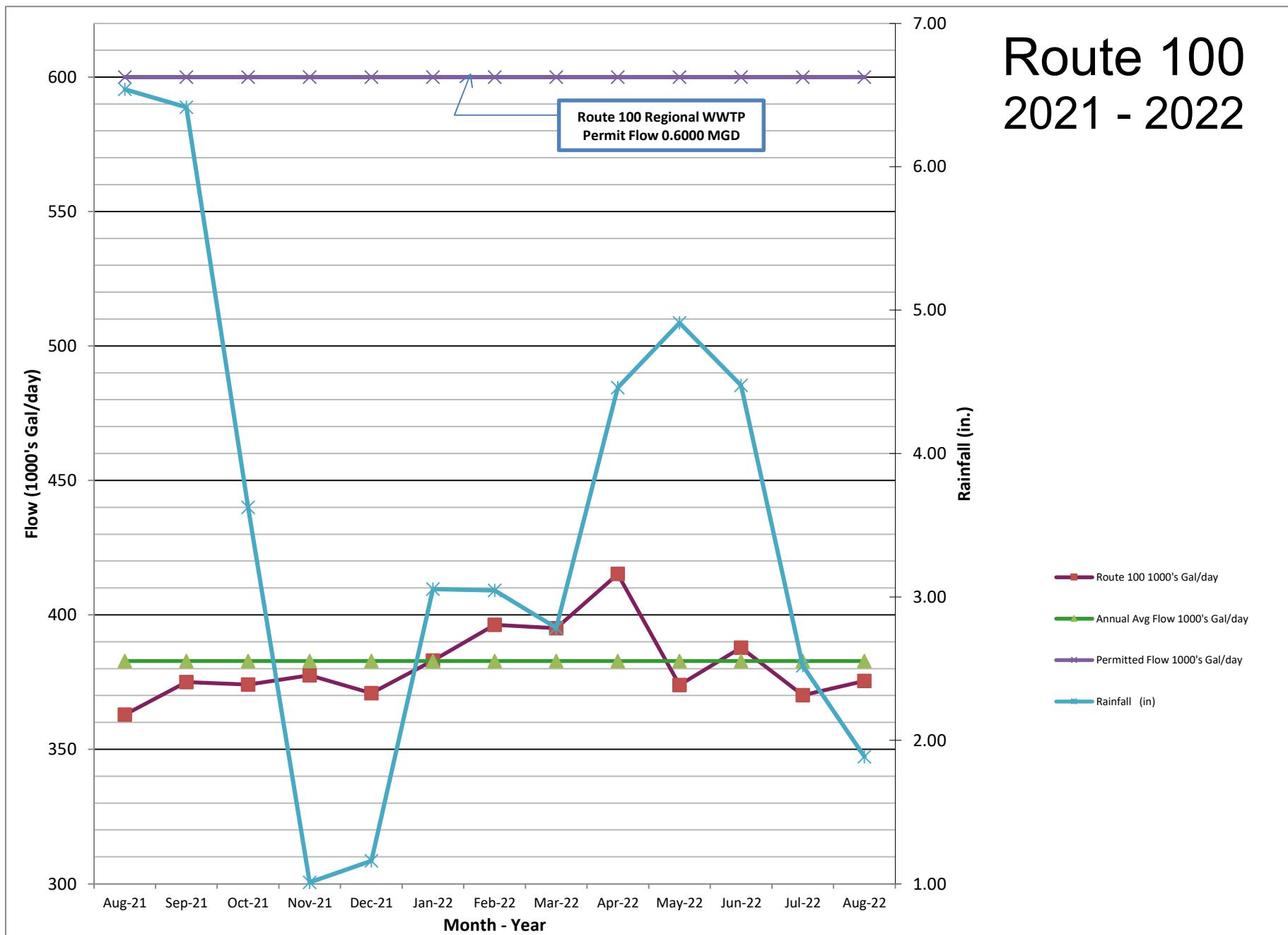
Lakeridge 2021 - 2022



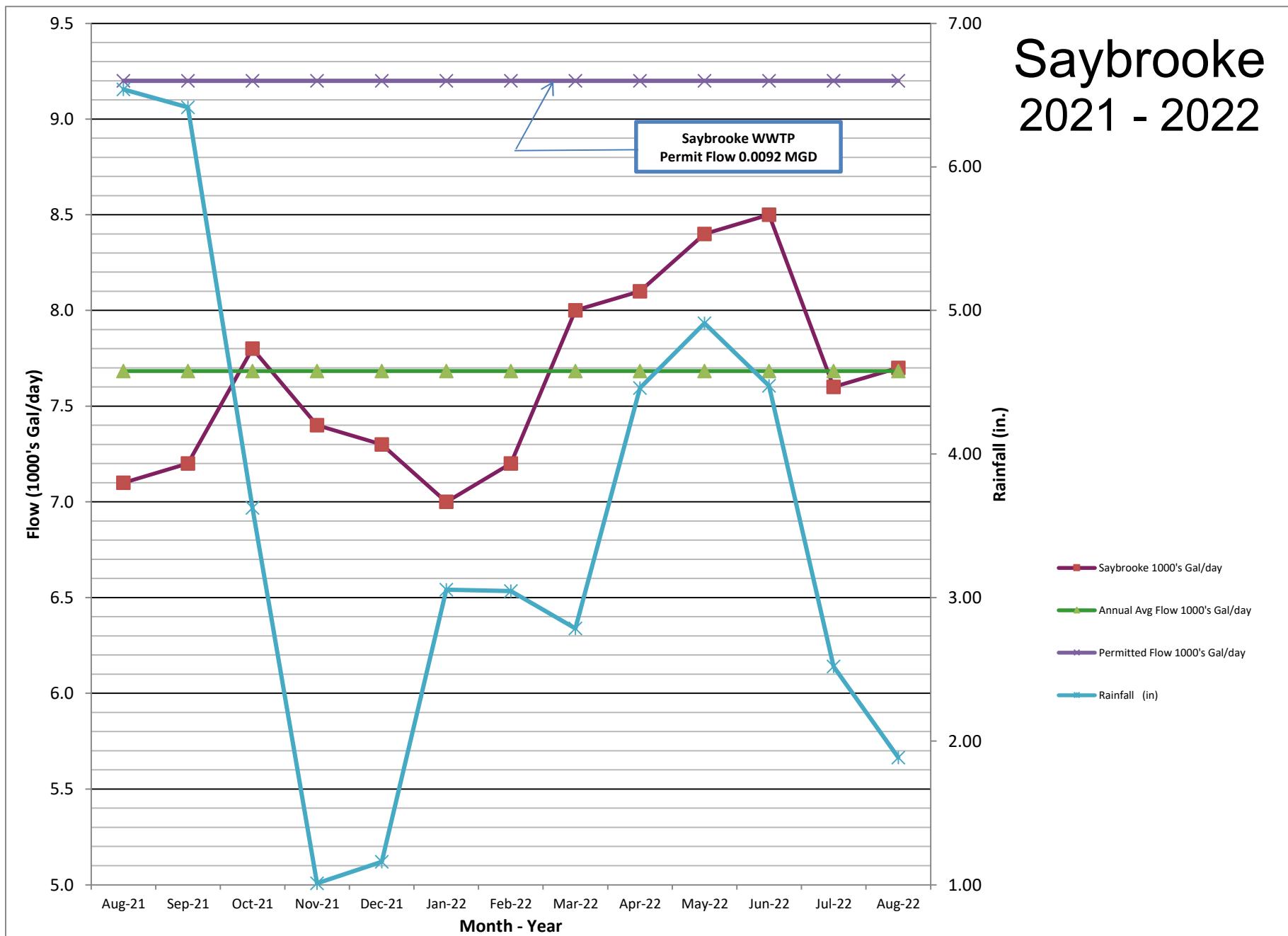
Marsh Harbour 2021 - 2022



Route 100 2021 - 2022

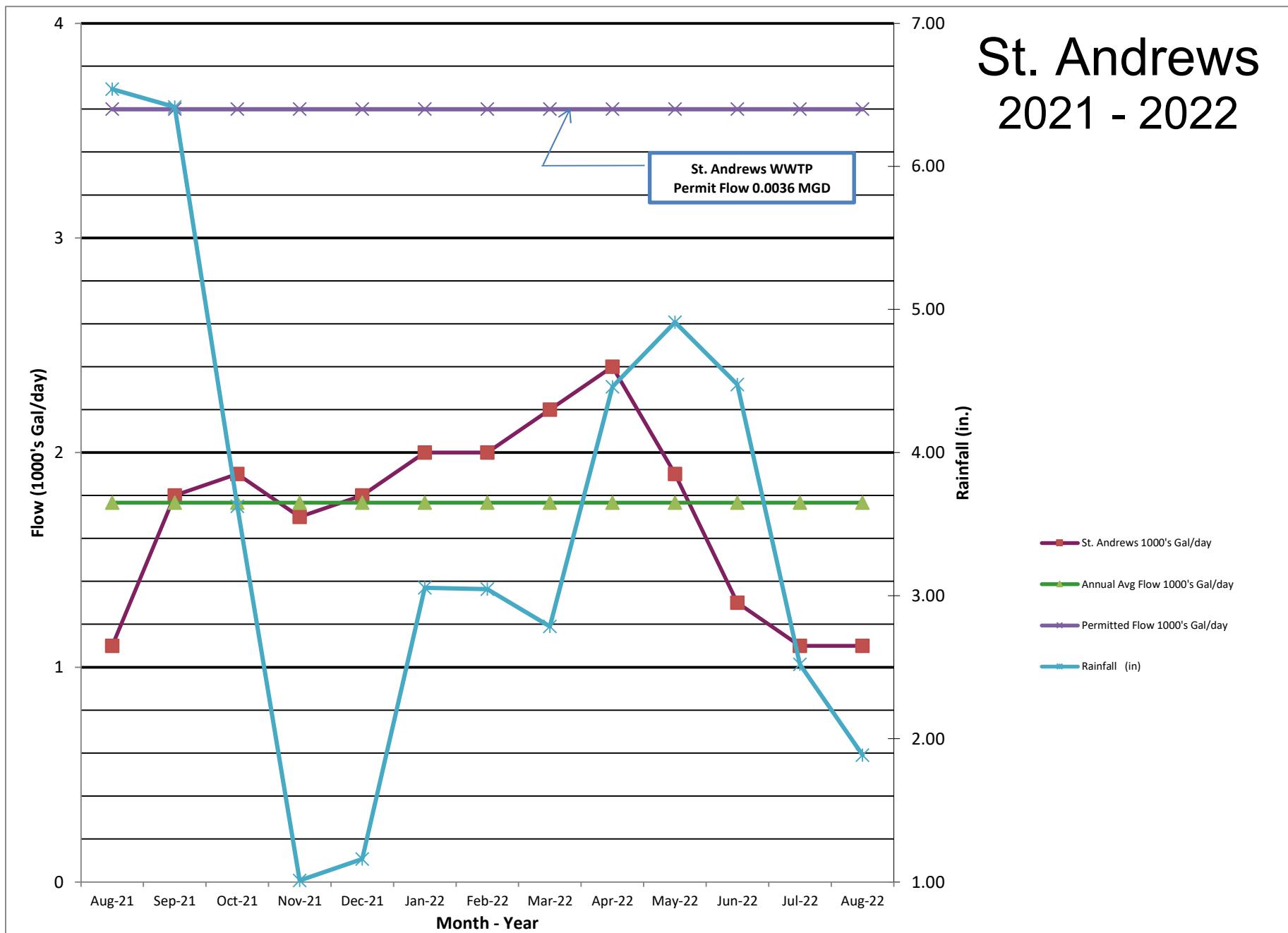


Saybrooke 2021 - 2022



St. Andrews

2021 - 2022





To: Municipal Authority Members
From: G. Matthew Brown, P.E., DEE
Re: Authority Administrator's Report
Date: September 21, 2022

Activities for the month of August include:

- A. Communication with WWTF Operator, ARRO 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 PADEP and ARRO regarding the Meadow Creek development including disposal rerating and treatment system upgrade. (4.0 hours)
- D. Communication and meeting with McKee and West Vincent Township residents regarding the Bennett property in West Vincent Township. (2.0 hours)
- E. Communication with residents regarding the development at 100 Greenridge Road and the effluent disposal areas. (1.0 hours)
- F. Communication with residents regarding connection to the Byers Road sewer main. (2.0 hours)
- G. Communication with ARRO and residents for potential future connection to the sanitary sewer systems on Styer Road, Quail Run Road, Walter Court and Milford Road. (4.0 hours)
- H. Appraisal review and communication with property owner for procurement of a ROW for the Milford Farms sewer extension. (4.0 hours)
- I. Review of communication information for upgrade to SCADA system as part of the Phase III expansion of the Route 100 WWTF. (6.0 hours)
- J. Communication with ARRO regarding the resurrection of the wind and solar alternate energy study for the Route 100 WWTF. (2.0 hours)

Please advise if you have any questions or comments.



To: Upper Uwchlan Township Municipal Authority Members

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

Date: September 21, 2022

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

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

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

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

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

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



AUGUST 2022 REPORT UUT MUNICIPAL AUTHORITY PUBLIC WORKS DEPARTMENT

The following projects are underway:

Ongoing:

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

Public Works continues to work on the properties as follows:

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

- **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**
 - **Re-hung siding**
- **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
- Marsh Harbour WWTP
 - Site checked
 - Cleaned facility
- Marsh Harbour PS
 - Site checked
- Meadowcreek
 - Site checked
- Eaglepointe
 - Cleaned facility
 - Site checked
- Heron Hill PS
 - Site checked
- Lakeridge WWTP
 - General cleaning
 - Site checked
- Lakeridge Pump Station
 - Site checked
 - Cleaned facility

- **Eagle Farms Rd PS (West Vincent Township)**
 - Cleaned facility
 - Site checked
- **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
- **Cameras at Route 100 WWTP are still down.**
- **UUT responded to 91 PA 1-Call tickets during the month.**
- **Safety materials are being updated and installed for safety inspection.**
- **No Trespassing signs added to the driveway of Marsh Harbor Plant due to high foot traffic.**
- **Locks are being sprayed/replaced for winter months.**

Respectfully submitted,

Craig Rowe
MA Facility Maintenance