



AGENDA

June 27, 2023
7:30 p.m.

LOCATION:

Township Building, 140 Pottstown Pike, Chester Springs PA 19425

I. Call to Order

II. Approval of Minutes: May 23, 2023

III. Approval of Payments: June 2023

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: August 22, 2023 ~ 7:30 p.m.

VIII. Adjournment



MEETING MINUTES

May 23, 2023

7:30 PM

DRAFT

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

Call to Order

W. Quinn called the meeting to order at 7:34 PM.

Approval of Minutes

Draft minutes of the April 25, 2023, meeting were reviewed. L. Schack suggested a minor change to the minutes in the Administrator's Report then moved to approve the minutes as modified. B. Watts seconded. It was so moved.

Approval of Payments

Following a brief discussion and questions, L. Schack moved to approve the payments for May 2023. B. Watts seconded. It was so moved.

Treasurer's Report

Following a brief discussion and questions, L. Schack made a motion to accept the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. J. Samarco seconded. It was so moved.

Authority Administration Reports

M. Brown noted that all facilities were operating well and within permit. He provided a monthly update on land available for disposal. He noted there was no update from the developer looking to partner with the Authority for land procurement in West Vincent Township (WVT). M. Brown noted he would continue to monitor the progress of the project. He also noted the field work was complete on the Phase II Environmental Assessment for the Senn Property and anticipated the report by the next meeting of the Authority.

M. Brown detailed the issue with the interior walls of the digester tank at the Route 100 WWTF. He noted there was a 10-year warranty given on the tank concrete from Dutchland, Inc., the manufacturer. He noted the wall deterioration was noted when the digester tank was emptied to tie-in the piping for the Phase III improvements. M. Brown noted there was a meeting on-site to review the problem and Dutchland was in attendance. He said the repair would require coating the interior walls with a resistant material and that Dutchland, in doing this type of work, should have been aware of the corrosive environment. He noted that he put Dutchland on notice that the Authority position was that this was a warranty item, and they were responsible for the cost. He said there would likely be a debate/negotiation on this but was hopeful they could reach an agreement without resorting to legal measures. After several questions from the Board, M. Brown was directed to proceed with the fix and the negotiations. Following several additional questions and a brief discussion on the reports, B. Watts made a motion to accept the Authority Administration Reports as submitted. L. Schack seconded. It was so moved.

Open Session

Sue Quake, Stonehedge resident, was in attendance and asked about the status of the 100 Greenridge Road project.

J. Samarco provided an update on the new Township Comprehensive Plan progress.

Next Meeting Date: June 27, 2023 - 7:30 PM

W. Quinn 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, L. Schack made a motion to adjourn the meeting at 8:04 PM. B. Watts seconded. It was so moved.

Respectfully submitted,

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

June 22, 2023
01:23 PM

Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA CAP
Report Type: All Checks

to MA CAP

Range of Check Ids:

Report Format: Super Condensed Check Type: Computer: Y Manual: Y Dir Deposit: Y

Check #	Check Date	Vendor	Amount Paid	Reconciled/Void Ref Num
06/27/23	ARROC010	ARRO CONSULTING, INC.	714.00	2902
06/27/23	DECKM010	DECKMAN MOTOR & PUMP, INC	15,256.00	2902
<hr/>				
Report Totals			<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	2	0	15,970.00	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	2	0	15,970.00	0.00

June 22, 2023
01:21 PM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: BABMAAS Batch Type: C Batch Date: 06/27/23 Checking Account: MA CAP G/L Credit: Expenditure G/L Credit
Generate Direct Deposit: N

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct Description
PO #	Enc Date	Item Description								
	06/27/23	ARROC010	ARRO CONSULTING, INC.		108 WEST AIRPORT ROAD					
23-00878	06/27/23	1	Byers Rd Engineering June Svcs	714.00	07-483-000-130		Expenditure	Aprv	1	1
				714.00	Capital Construction - Byers Road					
	06/27/23	DECKM010	DECKMAN MOTOR & PUMP, INC		49 W. FRONT STREET					
23-00886	06/27/23	1	ma - rebuild fairbanks pump	15,256.00	07-483-000-185		Expenditure	Aprv	2	1
				15,256.00	Capital Construction - Windsor Ridge					

Checks: Count 2 Line Items 2 Amount 15,970.00

There are NO errors or warnings in this listing.

June 22, 2023
01:42 PM

Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids:
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
06/14/23		LOWES020 LOWES BUSINESS ACCOUNT	82.37	2894
06/27/23		ALSGROUP ALS GROUP USA, CORP	2,402.60	2903
06/27/23		AQUAP010 AQUA PA	4,119.82	2903
06/27/23		ARROC010 ARRO CONSULTING, INC.	8,911.48	2903
06/27/23		ATTMOBIL AT&T MOBILITY	116.91	2903
06/27/23		BARBA010 BARBACANE THORNTON & COMPANY	4,120.00	2903
06/27/23		BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	2,532.50	2903
06/27/23		BURKERTK KEVIN BURKERT	210.90	2903
06/27/23		CLEANWAT CLEAN WATER, INC.	11,605.00	2903
06/27/23		GILMO020 GILMORE & ASSOCIATES, INC	8,414.56	2903
06/27/23		KAPPEASS KAPPE ASSOCIATES, INC	4,290.00	2903
06/27/23		KEYSTENG KEYSTONE ENGINEERING GROUP, IN	2,432.49	2903
06/27/23		LARRYHEP LARRY HEPNER CPSS	3,815.39	2903
06/27/23		MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	21,850.17	2903
06/27/23		MGKIN010 MGK INDUSTRIES, INC.	750.00	2903
06/27/23		MJREIDER M. J. REIDER ASSOCIATES, INC.	498.75	2903
06/27/23		PEC00010 PECO	15,807.70	2903
06/27/23		PRED0010 PREDOC	9,595.58	2903
06/27/23		SHRWILWC THE SHERWIN WILLIAMS CO.	23.14	2903
06/27/23		UPPER070 UPPER UWCHLAN TOWNSHIP	82,776.61	2903
06/27/23		USABL020 USA BLUE BOOK	1,336.82	2903
06/27/23		VERIZFIO VERIZON	1,211.69	2903
06/27/23		PRED0010 PREDOC	1,544.61	2904

Report Totals	Paid	Void	Amount Paid	Amount Void
Checks:	23	0	188,449.09	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	23	0	188,449.09	0.00

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

Check #	Check Date	Vendor	Amount	Paid	Charge Account	Account Type	Reconciled/Void	Ref	Ref Num	Seq	Acct
PO #	Item	Description					Contract				
23-00846	06/14/23 1	LOWES020 LOWES BUSINESS ACCOUNT ma-6x6x8 treated		31.04	06-420-000-020 Supplies				2894 1	1	
23-00846	2	ma- cleaning products		51.33	06-420-000-020 Supplies				2	1	
				82.37							
23-00880	06/27/23 1	ALSGROUP ALS GROUP USA, CORP eagle hunt monitoring wells		492.10	06-420-000-030 Testing				2903 5	1	
23-00880	2	reserve at eagle wells		995.90	06-420-000-030 Testing				6	1	
23-00880	3	rt 100 monitoring wells		336.40	06-420-000-030 Testing				7	1	
23-00880	4	ewing tract monitoring wells		578.20	06-420-000-030 Testing				8	1	
				2,402.60							
23-00893	06/27/23 1	AQUAP010 AQUA PA 528 walter court		20.46	06-409-000-037 Water				2903 23	1	
23-00893	2	381 little conestoga		20.46	06-409-000-037 Water				24	1	
23-00893	3	111 dorothy lane		20.46	06-409-000-037 Water				25	1	
23-00893	4	119 prescott drive		20.46	06-409-000-037 Water				26	1	
23-00893	5	439 prescott drive		20.46	06-409-000-037 Water				27	1	
23-00893	6	100 prescott drive		20.46	06-409-000-037 Water				28	1	
23-00893	7	meadow creek lane		20.46	06-409-000-037 Water				29	1	
23-00893	8	308 flagstone road		21.86	06-409-000-037 Water				30	1	
23-00893	9	1 prospect hill blvd		59.67	06-409-000-037 Water				31	1	
23-00893	10	325 fellowship rd		3,693.89	06-409-000-037 Water				32	1	
23-00893	11	658 collingwood terrace		59.67	06-409-000-037 Water				33	1	
23-00893	12	241 fellowship rd		20.46	06-409-000-037 Water				34	1	
23-00893	13	29 yarmouth lane		20.46	06-409-000-037 Water				35	1	
23-00893	14	425 hemlock		59.67	06-409-000-037 Water				36	1	
23-00893	15	2680 primrose court		20.46	06-409-000-037 Water				37	1	

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Upper Uwchlan Township
Check Register By Check Id

Page No: 2

Check #	Check Date	Vendor				Reconciled/Void	Ref Num	
PO #	Item	Description	Amount Paid	Charge Account	Account Type	Contract	Ref Seq	Acct
AQUA PA		Continued						
23-00893	16	1120 sunderland ave	20.46	06-409-000-037 Water	Expenditure		38	1
			4,119.82					
06/27/23	ARROC010	ARRO CONSULTING, INC.					2903	
23-00879	1	Prj 00010270.56 scada system	809.76	06-408-000-000 Engineering Fees	Expenditure		1	1
23-00879	2	ma - may services	6,375.97	06-400-000-002 Authority Admin Expense - ARRO	Expenditure		2	1
23-00879	3	prj 00010270.73 eaglepoint	1,221.25	06-408-000-000 Engineering Fees	Expenditure		3	1
23-00879	4	prj 00010270.67 uppatinas	504.50	06-408-000-100 Reimbursable Engineering Fees	Expenditure		4	1
			8,911.48					
06/27/23	ATTMOBIL	AT&T MOBILITY					2903	
23-00881	1	ma telephones	116.91	06-409-000-032 Telephone	Expenditure		9	1
06/27/23	BARBA010	BARBACANE THORNTON & COMPANY					2903	
23-00882	1	ma - 2022 year end audit	4,120.00	06-402-000-450 Audit Fees	Expenditure		10	1
06/27/23	BUCKL010	BUCKLEY, BRION, MCGUIRE, MORRI					2903	
23-00883	1	ma - delinquent sewer claims	2,532.50	06-404-000-000 Legal Fees	Expenditure		11	1
06/27/23	BURKERTK	KEVIN BURKERT					2903	
23-00884	1	509 Benson Ln/sewer overpmt	210.90	06-420-000-048 Misc expenses	Expenditure		12	1
06/27/23	CLEANWAT	CLEAN WATER, INC.					2903	
23-00885	1	ma - monthly operations	11,605.00	06-420-000-045 Contracted Services	Expenditure		13	1
06/27/23	GILMO020	GILMORE & ASSOCIATES, INC					2903	
23-00887	1	ma - project 2303017-byers rd	8,414.56	06-408-000-000 Engineering Fees	Expenditure		14	1
06/27/23	KAPPEASS	KAPPE ASSOCIATES, INC					2903	
23-00888	1	ma-service infl pump levels	640.00	06-420-000-025 Maintenance & Repair	Expenditure		15	1
23-00888	2	ma-install verbatim dialer	3,650.00	06-420-000-025 Maintenance & Repair	Expenditure		16	1
			4,290.00					
06/27/23	KEYSTENG	KEYSTONE ENGINEERING GROUP, IN					2903	
23-00900	1	ma - scada system t&m	2,432.49	06-408-000-000 Engineering Fees	Expenditure		95	1

Check #	Check Date	Vendor	Amount	Paid	Charge Account	Account Type	Reconciled/Void	Ref Num
PO #	Item	Description					Contract	Ref Seq
23-00891	06/27/23	LARRYHEP LARRY HEPNER CPSS						2903
	1	ma- crop mgmt & soil samples	3,815.39		06-420-000-032 Vegetation Management	Expenditure		17 1
23-00898	06/27/23	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC		370.60	06-420-000-031 Pump & Haul	Expenditure		2903
	1	ma - eaglepoint						47 1
23-00898	2	ma - rt 100 wwt	272.50		06-420-000-031 Pump & Haul	Expenditure		48 1
23-00898	3	ma - rt 100 wwt	370.60		06-420-000-031 Pump & Haul	Expenditure		49 1
23-00898	4	ma - larkins bridge	1,354.33		06-420-000-031 Pump & Haul	Expenditure		50 1
23-00898	5	ma - lake ridge hi vac acct	852.93		06-420-000-031 Pump & Haul	Expenditure		51 1
23-00898	6	ma - windsor ridge	942.85		06-420-000-031 Pump & Haul	Expenditure		52 1
23-00898	7	ma - byers station	1,708.58		06-420-000-031 Pump & Haul	Expenditure		53 1
23-00898	8	ma - rt 100 wwt	272.50		06-420-000-031 Pump & Haul	Expenditure		54 1
23-00898	9	ma - eaglepointe	426.19		06-420-000-031 Pump & Haul	Expenditure		55 1
23-00898	10	ma - rt 100 wwt	2,005.65		06-420-000-031 Pump & Haul	Expenditure		56 1
23-00898	11	ma - rt 100 wwt/fellowship	4,839.18		06-420-000-031 Pump & Haul	Expenditure		57 1
23-00898	12	ma - eaglepointe	370.60		06-420-000-031 Pump & Haul	Expenditure		58 1
23-00898	13	ma - rt 100 wwt	2,005.65		06-420-000-031 Pump & Haul	Expenditure		59 1
23-00898	14	ma - rt 100 wwt	3,854.57		06-420-000-031 Pump & Haul	Expenditure		60 1
23-00898	15	ma - rt 100 wwt	272.50		06-420-000-031 Pump & Haul	Expenditure		61 1
23-00898	16	ma - eaglepointe	426.19		06-420-000-031 Pump & Haul	Expenditure		62 1
23-00898	17	ma - eaglepointe	426.19		06-420-000-031 Pump & Haul	Expenditure		63 1
23-00898	18	ma - eaglepointe	370.60		06-420-000-031 Pump & Haul	Expenditure		64 1
23-00898	19	ma - eaglepointe	435.46		06-420-000-031 Pump & Haul	Expenditure		65 1
23-00898	20	ma - rt 100 wwt	272.50		06-420-000-031 Pump & Haul	Expenditure		66 1
				21,850.17				
23-00891	06/27/23	MGKIN010 MGK INDUSTRIES, INC.		750.00	06-420-000-025 Maintenance & Repair	Expenditure		2903
	1	ma-rt 100 - diagnose transduce						22 1

Check #	Check Date	Vendor	Amount Paid	Charge Account	Account Type	Reconciled/Void	Ref Num
PO #	Item	Description			Contract	Ref Seq	Acct
06/27/23 23-00890	1	MJREIDER M. J. REIDER ASSOCIATES, INC. ma - marsh harbour inf/effl	136.25	06-420-000-030 Testing	Expenditure	2903 18	1
23-00890	2	ma - greenridge inf/effl	116.25	06-420-000-030 Testing	Expenditure	19	1
23-00890	3	ma - w vincent lagoon	80.00	06-420-000-030 Testing	Expenditure	20	1
23-00890	4	ma - eaglepoint inf/effl	166.25	06-420-000-030 Testing	Expenditure	21	1
			498.75				
06/27/23 23-00899	1	PEC00010 PECO 304 fellowship	159.78	06-409-000-036 Electric	Expenditure	2903 67	1
23-00899	2	2500 eagle farms rd	499.06	06-409-000-036 Electric	Expenditure	68	1
23-00899	3	seabury lane	38.96	06-409-000-036 Electric	Expenditure	69	1
23-00899	4	primrose court	281.93	06-409-000-036 Electric	Expenditure	70	1
23-00899	5	314 prescott drive	149.18	06-409-000-036 Electric	Expenditure	71	1
23-00899	6	meadow creek lane	31.79	06-409-000-036 Electric	Expenditure	72	1
23-00899	7	301 pottstown pike	557.93	06-409-000-036 Electric	Expenditure	73	1
23-00899	8	milford road	118.96	06-409-000-036 Electric	Expenditure	74	1
23-00899	9	711 dorian road	271.01	06-409-000-036 Electric	Expenditure	75	1
23-00899	10	111 dorothy lane	121.95	06-409-000-036 Electric	Expenditure	76	1
23-00899	11	dorlan drive	839.88	06-409-000-036 Electric	Expenditure	77	1
23-00899	12	381 little conestoga	301.02	06-409-000-036 Electric	Expenditure	78	1
23-00899	13	milford road	35.00	06-409-000-036 Electric	Expenditure	79	1
23-00899	14	st andrews rd	42.75	06-409-000-036 Electric	Expenditure	80	1
23-00899	15	park road	1,231.26	06-409-000-036 Electric	Expenditure	81	1
23-00899	16	55 pottstown pike	526.56	06-409-000-036 Electric	Expenditure	82	1
23-00899	17	yarmouth lane	330.29	06-409-000-036 Electric	Expenditure	83	1
23-00899	18	sunderland ave	1,562.41	06-409-000-036 Electric	Expenditure	84	1
23-00899	19	kiloran wynd drive	147.74	06-409-000-036 Electric	Expenditure	85	1
23-00899	20	flagstone road	692.01	06-409-000-036 Electric	Expenditure	86	1

Check #	Check Date	Vendor	Amount Paid Charge Account			Reconciled/Void	Ref Num
PO #	Item	Description	Account Type	Contract	Ref Seq	Acct	
PECO		Continued					
23-00899	21	yarmouth lane	40.70	06-409-000-036 Electric	Expenditure	87	1
23-00899	22	140 pottstown pike	257.75	06-409-000-036 Electric	Expenditure	88	1
23-00899	23	275 fellowship rd	6,636.51	06-409-000-036 Electric	Expenditure	89	1
23-00899	24	heron hill	74.39	06-409-000-036 Electric	Expenditure	90	1
23-00899	25	indian springs	72.43	06-409-000-036 Electric	Expenditure	91	1
23-00899	26	yarmouth lane	56.45	06-409-000-036 Electric	Expenditure	92	1
23-00899	27	hemlock lane	107.06	06-409-000-036 Electric	Expenditure	93	1
23-00899	28	fellowship road	622.94	06-409-000-036 Electric	Expenditure	94	1
			15,807.70				
06/27/23	PRED0010	PREDOC				2903	
23-00894	1	lakeridge-vfd drive & leak	6,755.00	06-420-000-025 Maintenance & Repair	Expenditure	39	1
23-00894	2	saybrooke-bed cleaning	1,252.50	06-420-000-025 Maintenance & Repair	Expenditure	40	1
23-00894	3	windsor-install rebuilt pump	895.00	06-420-000-025 Maintenance & Repair	Expenditure	41	1
23-00894	4	marsh harbor-aeration leaks	693.08	06-420-000-025 Maintenance & Repair	Expenditure	42	1
			9,595.58				
06/27/23	SHRWILWC	THE SHERWIN WILLIAMS CO.				2903	
23-00895	1	ma-paint roller/tape	23.14	06-420-000-020 Supplies	Expenditure	43	1
06/27/23	UPPER070	UPPER UWCHLAN TOWNSHIP				2903	
23-00902	1	ma-2023-q1 admin(mb payroll	82,776.61	06-400-000-001 Administration	Expenditure	97	1
06/27/23	USABL020	USA BLUE BOOK				2903	
23-00896	1	ma - dechlorination tablets	592.86	06-420-000-022 Chemicals	Expenditure	44	1
23-00901	1	ma - chlorination tablets	743.96	06-420-000-022 Chemicals	Expenditure	96	1
			1,336.82				
06/27/23	VERIZFIO	VERIZON				2903	
23-00897	1	ma - telephones	1,069.29	06-409-000-032 Telephone	Expenditure	45	1
23-00897	2	ma - fios	142.40	06-409-000-032 Telephone	Expenditure	46	1
			1,211.69				

June 22, 2023
01:44 PM

Upper Uwchlan Township
Check Register By Check Id

Page No: 6

Check #	Check Date	Vendor	Amount Paid	Charge Account	Reconciled/Void	Ref Num		
PO #	Item	Description			Account Type	Contract	Ref Seq	Acct
06/27/23 23-00903	PRE0010 PREDOC 1	mh- fix hole in pipe/lag float	1,544.61	06-420-000-025 Maintenance & Repair	Expenditure		2904 1	1
<hr/>								
Report Totals			<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>		
			Checks: 23	0	188,449.09	0.00		
			Direct Deposit: 0	0	0.00	0.00		
			Total: 23	0	188,449.09	0.00		

Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Receivables and Collections

	May 2023	April 2023	Change
Beginning Receivable Balance	313,433.00	313,433.00	-
<u>Billings:</u>			
Calculated charges billed	1,257,035.05	1,254,570.94	2,464.11
Billing adjustments			-
Late payment penalty	21,516.12	21,516.12	-
Adjustments	(5,145.88)	(5,346.49)	200.61
	1,586,838.29	1,584,173.57	2,664.72
<u>Less:</u>			
Collections*	1,156,536.42	854,986.81	(301,549.61)
Receivable balance, month end	<u>430,301.87</u>	<u>729,186.76</u>	<u>(298,884.89)</u>

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

Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Delinquent Accounts
(accounts that have had a balance in excess of \$380 for 2 or more quarters)

	5/31/2022	5/31/2023	4/30/2023	3/31/2023	2/28/2023	12/31/2022
Number of delinquent accounts	76	76	101	131	182	140
Total delinquent balance	\$ 105,908	\$ 140,789	\$ 155,650	\$ 135,485	\$ 206,482	\$ 198,211

2023 Payment Schedule

	<u>Bills Mailed</u>	<u>Payment Due</u>
First quarter	1/31/2023	3/1/2023
Second quarter	4/30/2023	5/31/2023
Third quarter	7/31/2023	8/31/2023
Fourth quarter	10/31/2023	11/30/2023

Upper Uwchlan Township Municipal Authority

Balance Sheet

May 31, 2023

ASSETS

Cash

06-100-000-010	General Checking - Fulton Bank	\$ 151,457.19
06-100-000-015	General Checking - Meridian Bank	764,673.46
06-100-000-020	General Checking - WIPP	378,844.16
06-106-000-002	Connection Fee Account	1,504,080.71
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMAA	-
	Total Cash	2,799,055.52

PSDLAF Investments:

06-109-000-003	CD Program	-
06-109-000-004	Full Flex	188.21
	Total Investments	188.21

Accounts Receivable

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

Other Current Assets

06-130-000-001	Due from MA Capital Fund	21,379.48
06-130-000-002	Due from UUT General Fund	-
06-130-000-003	Due from UUT Capital Fund	-
06-130-000-004	Due from Solid Waste Fund	244.53
06-130-000-005	Due from Stormwater Fund	-
06-130-000-006	Due from Sewer Fund	-
06-130-000-007	Due from Developer's Escrow	13,658.07
06-152-000-000	Undeposited Funds	-
06-155-000-000	Pre-Paid Expenses	-
06-155-000-010	Pre-Paid Attorney Fees	-
	Total Other Current Assets	35,282.08

Fixed Assets

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

Other Long Term Assets

06-162-000-002	Excess Treatment Capacity	-
	Total Other Long Term Assets	-

Total Assets	\$ 3,125,121.51
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Upper Uwchlan Township Municipal Authority
Balance Sheet
May 31, 2023

LIABILITIES AND FUND BALANCE

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	139,637.96
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	30,957.30
06-230-000-040	Due to Water Resource Protection Fund	(160.00)
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	8,406.98
06-241-000-100	Retainage on Phase II Construction Project	-
06-245-000-000	Due to Customers	275.00
	Total Current Liabilities	179,117.24

<u>Equity</u>		
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	1,713,167.87
	Current Period Net Income (Loss)	479,336.05
	Total Equity	2,946,004.27
	Total Fund Balance	2,946,004.27
	Total Liabilities & Fund Balance	\$ 3,125,121.51

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended May 31, 2023

	Actual 2023 YTD	Budget 2023	% of Budget	Actual 2022 <i>(unaudited)</i>	Budget 2022
REVENUES					
06-340-000-000 Interest Income	\$ 24,632.99	\$ 2,500.00	985.3%	\$ 3,868.38	\$ 1,000.00
06-365-000-000 Usage Fees Residential	1,092,801.29	2,450,000.00	44.6%	2,488,302.92	2,375,580.00
06-365-000-001 Usage Fees Commercial	37,559.33	100,000.00	37.6%	89,816.00	100,000.00
06-365-000-010 Connection Fees	-	350,000.00	0.0%	782,471.78	1,347,500.00
06-365-000-015 Sewer - resident refunds	(100.00)	-	#DIV/0!	-	-
06-365-000-020 Connection Fees - Byers Road	26,325.00	80,000.00	32.9%	69,787.37	-
06-354-000-020 Grant revenue - State	-	525,000.00	0.0%	2,324.00	525,000.00
06-370-000-000 Misc revenue	-	1,000.00	0.0%	127.70	1,000.00
TOTAL REVENUES	\$ 1,181,218.61	\$ 3,508,500.00	33.7%	\$ 3,436,698.15	\$ 4,350,080.00
EXPENDITURES					
<i>General:</i>					
06-400-000-001 Administration - UUT	108,572.70	270,688.00	40.1%	324,639.24	275,000.00
06-400-000-002 Authority Adminstrative Expense - ARRO	-	10,000.00	0.0%	58,192.96	120,000.00
06-400-000-004 Authority Administrator - MB	31,065.26	110,000.00	28.2%	53,918.65	-
06-400-000-003 Professional Fees	-	5,000.00	0.0%	-	5,000.00
06-400-000-200 Admin Supplies	-	1,000.00	0.0%	1,901.18	1,000.00
06-400-000-341 Advertising	-	3,000.00	0.0%	154.78	3,000.00
06-400-000-352 Insurance - Liability	2,989.60	5,979.00	50.0%	4,891.00	4,891.00
06-400-000-355 Bank Fees	775.78	1,000.00	77.6%	143.00	250.00
06-402-000-450 Audit Fees	2,580.00	7,500.00	34.4%	6,400.00	7,500.00
06-404-000-000 Legal Fees	8,579.84	25,000.00	34.3%	19,074.03	25,000.00
06-406-000-100 Utility Billing Costs	4,807.42	10,000.00	48.1%	4,570.50	13,000.00
06-406-000-200 Utility Billing Postage	3,407.67	5,500.00	62.0%	5,357.20	-
06-408-000-000 Engineering Fees	57,700.42	100,000.00	57.7%	123,918.97	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	220,478.69	554,667.00	39.7%	603,161.51	604,641.00
<i>Building Expenses:</i>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	6,939.76	17,500.00	39.7%	16,482.91	17,500.00
06-409-000-035 Insurance	9,155.80	18,312.00	50.0%	13,950.00	13,950.00
06-409-000-036 Electric	72,881.59	250,000.00	29.2%	243,823.58	250,000.00
06-409-000-037 Water	4,311.06	20,000.00	21.6%	14,262.12	20,000.00
06-409-000-052 Bldg Maint & Repair	1,080.17	10,000.00	10.8%	871.80	10,000.00
06-409-000-260 Building Supplies & Small Tools	1,200.00	15,000.00	8.0%	-	15,000.00
06-409-000-427 Waste Disposal	-	-	#DIV/0!	-	-
	95,568.38	335,812.00	28.5%	289,390.41	331,450.00
<i>Operations:</i>					
06-420-000-020 Supplies	2,630.27	30,000.00	8.8%	3,688.75	50,000.00
06-420-000-022 Chemicals	2,836.60	15,000.00	18.9%	8,576.63	15,000.00
06-420-000-023 Propane and Fuel Oil	-	10,000.00	0.0%	1,711.60	10,000.00
06-420-000-025 Maintenance & Repair	77,211.22	150,000.00	51.5%	150,226.94	150,000.00
06-420-000-030 Testing	11,390.80	50,000.00	22.8%	46,285.90	50,000.00
06-420-000-031 Pump & Haul	42,247.21	90,000.00	46.9%	114,359.07	75,000.00
06-420-000-032 Vegetation Management	11,230.00	15,000.00	74.9%	17,825.59	20,000.00
06-420-000-035 Permits	1,749.77	25,000.00	7.0%	30,897.23	5,000.00
06-420-000-042 Dues and Memberships	-	1,000.00	0.0%	-	-
06-420-000-045 Contracted Services	75,387.76	175,000.00	43.1%	205,035.06	175,000.00
06-420-000-048 Misc expenses	-	10,000.00	0.0%	526.10	10,000.00
06-420-000-235 Vehicle Maintenance	-	2,000.00	0.0%	-	2,000.00
06-420-000-329 PA One Call	163.32	2,500.00	6.5%	644.93	2,500.00
	224,846.95	575,500.00	39.1%	579,777.80	564,500.00

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended May 31, 2023
(Continued)

		Actual 2023 YTD	Budget 2023	% of Budget	Actual 2022	Budget 2022
	<u>Capital:</u>					<i>(Unaudited)</i>
06-483-000-000	Capital Repair	-	50,000.00	0.0%	-	50,000.00
06-483-000-100	Capital Construction	-	-	#DIV/0!	-	-
06-493-000-083	Depreciation	-	-	#DIV/0!	-	-
		-	50,000.00	0.0%	-	50,000.00
	Total Expenditures before Operations Agreement and Transfers	\$ 540,894.02	\$ 1,515,979.00	35.7%	\$ 1,472,329.72	\$ 1,550,591.00
	Net Income before Operations Agreement and Transfers	\$ 640,324.59	\$ 1,992,521.00	32.1%	1,964,368.43	2,799,489.00
	<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	102,322.73	235,244.00	43.5%	235,993.76	235,994.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	58,665.81	332,700.00	17.6%	336,987.26	337,000.00
		160,988.54	567,944.00	28.3%	572,981.02	572,994.00
06-492-000-010	Transfer to Sewer Fund	-	-	#DIV/0!	-	-
06-492-000-020	Transfer to Water Resource Protection Fund	-	-	#DIV/0!	-	-
06-492-000-030	Transfer to UUT Capital Fund	-	-	#DIV/0!	-	-
06-492-000-040	Transfer to MA Capital Fund	-	-	#DIV/0!	350,000.00	-
		-	-	#DIV/0!	350,000.00	-
	TOTAL EXPENDITURES	\$ 701,882.56	\$ 2,083,923.00	33.7%	\$ 2,395,310.74	\$ 2,123,585.00
	OPERATING INCOME	\$ 479,336.05	\$ 1,424,577.00	33.6%	\$ 1,041,387.41	\$ 2,226,495.00

Upper Uwchlan Township Municipal Authority
Capital Fund
Balance Sheet
As of May 31, 2023

ASSETS

	<u>Cash</u>	
07-100-000-010	General Checking - Fulton Bank	\$ 42,508.26
07-110-000-200	Fulton Bank - Bond Proceeds	<u>5,006,393.32</u>
	Total Cash	5,048,901.58
	<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	2,582,208.67
06-162-000-050	Accumulated Depreciation	(1,386,995.94)
06-163-000-100	Phase II Construction Project (CIP)	<u>1,195,212.73</u>
	Total Fixed Assets	1,195,212.73
	<u>Other Long Term Assets</u>	
06-162-000-002	Excess Treatment Capacity	<u>1,649,293.24</u>
	Total Other Long Term Assets	1,649,293.24
	Total Assets	\$ 7,893,407.55

LIABILITIES AND FUND BALANCE

	<u>Current Liabilities</u>	
07-200-000-020	Accounts Payable	-
07-230-000-010	Due to MA Operating Fund	21,379.48
07-230-000-020	Due to UUT General Fund	-
07-230-000-030	Due to UUT Capital Fund	15,100.00
07-232-000-700	Due to UUT Sewer Fund	5,205,556.07
07-240-000-000	Accrued Expenses	1,806.50
	Total Current Liabilities	5,243,842.05
	<u>Equity</u>	
07-272-000-001	Retained Earnings	2,637,416.92
	Current Period Net Income (Loss)	12,148.58
	Total Equity	2,649,565.50
	Total Fund Balance	2,649,565.50
	Total Liabilities & Fund Balance	\$ 7,893,407.55

Upper Uwchlan Township Municipal Authority

Capital Fund

Statement of Revenues and Expenditures

For the Period Ended May 31, 2023

		Actual 2023 YTD	Budget 2023	% of Budget	Actual 2022 (unaudited)	Budget 2022
REVENUES						
07-340-000-000	Interest Income	\$ 25,105.52	\$ 10,000.00	251.1%	\$ 12,814.33	\$ 4,000.00
07-395-000-100	Transfer from MA Operating Fund	\$ -	\$ -	#DIV/0!	\$ 3,983,199.73	\$ -
	TOTAL REVENUES	\$ 25,105.52	\$ 10,000.00	251.1%	\$ 3,996,014.06	\$ 4,000.00
EXPENDITURES						
<i>General:</i>						
07-400-000-355	Bank Fees	125.00	1,000.00	12.5%	1,099.15	400.00
07-420-000-010	Act 537 Updates	-	38,000.00	0.0%	-	38,000.00
07-420-000-020	UCC Code Updates	-	30,000.00	0.0%	-	30,000.00
07-420-000-048	Capital Equipment Shared with UUT	-	19,000.00	0.0%	-	19,000.00
07-420-000-050	Misc. Capital Purchases	-	35,000.00	0.0%	-	35,000.00
				#DIV/0!	-	-
		125.00	123,000.00	0.1%	1,099.15	122,400.00
<i>Capital Construction</i>						
07-483-000-000	Capital Repair	-	35,000.00	0.0%	38,624.77	-
07-483-000-100	Capital Construction - Milford Farms	814.50	700,000.00	0.1%	19,488.50	700,000.00
07-483-000-110	Capital Construction - Meadow Creek	-	800,000.00	0.0%	54,460.75	750,000.00
07-483-000-120	Capital Construction - Eaglepointe	-	520,000.00	0.0%	-	-
07-483-000-130	Capital Construction - Byers Road	5,620.44	150,000.00	3.7%	538,130.73	785,000.00
07-483-000-140	Capital Construction - Route 100	-	441,000.00	0.0%	10,406.67	52,460.00
07-483-000-150	Capital Construction - Marsh Harbour	-	18,000.00	0.0%	-	12,300.00
07-483-000-160	Capital Construction - St. Andrew's Brae	-	12,100.00	0.0%	-	10,000.00
07-483-000-170	Capital Construction - Greenridge	-	-	#DIV/0!	-	-
07-483-000-180	Capital Construction - Lakeridge	6,397.00	-	#DIV/0!	35,813.86	-
07-483-000-185	Capital Construction - Windsor Ridge	-	-	#DIV/0!	-	-
07-483-000-190	Capital Construction - Saybrooke	-	2,100.00	0.0%	-	-
07-483-000-195	Capital Construction - Byers Station	-	-	#DIV/0!	28,900.00	-
07-493-000-083	Depreciation	-	-	#DIV/0!	-	130,000.00
		-	-	#DIV/0!	-	-
		12,831.94	2,678,200.00	0.5%	725,825.28	2,439,760.00
	TOTAL EXPENDITURES	\$ 12,956.94	\$ 2,801,200.00	0.5%	\$ 726,924.43	\$ 2,562,160.00
	OPERATING INCOME	\$ 12,148.58	\$ (2,791,200.00)	-0.4%	\$ 3,269,089.63	\$ (2,558,160.00)

Clean Water, Inc.

170 Dallas St.
Box 475
Atglen, Pa. 19310

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

June 21, 2023

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

RE: Report for the May meeting

Dear Authority,

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

Route 100

Monday at the Route 100 plant there was an overflow as a result of the pumps failing to work in auto. As you recall last month, I had some issues with the levels not responding to the transducer. Not sure if this is related or not. There also were many components that needed reset. Kappe will be installing an auto dialer that is separate from the scada system for alarm notification. Keystone was out to determine the necessary upgrades for both communications and operations for Phase 3. DEP was notified of the overflow. I also want to make you aware that I think the wet well for the influent wall will need attention. The walls are showing areas of corrosion. Guessing the walls will need coated. This will be made a bit more complicated by the need to bypass flows during the work. Byers, Upland Farms, Ewing West Vincent have all been cut. Public Works has weed-eated nozzles. The algae that was in the lagoon at Reserve was treated and looks much better. The other storage lagoons were treated as well.

Eaglepointe

Plant is running fine. Influent loadings continue to be high. The influent pump station will be cleaned soon.

Marsh Harbour

Plant is running fine. The field has been cut. Predoc was out to replace some weathered air drop fittings. The old PVC becomes brittle. They were replaced with stainless. The last original blower (1989) finally wore out. Excelsior blower will be replacing it shortly. Predoc was also out to repair the slide rail connections at the influent pump station. Given their age, it's not surprising.

Lakeridge

Plant is running well. Sludge was removed.

Saybrooke

Plant is running fine. McGovern hauled sludge.

Greenridge

Drip continues. I added another dose of Aqua Shade to the lagoon for algae control.

St. Andrews

Plant is running fine. We cleaned the sand filters.

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: June 22, 2023

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

Byers Station

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

ARRO prepared a September 3, 2019, comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019, UUT Board of Supervisors' meeting, it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019, review letter regarding the revised Lot #2 Commercial Parcel SPFM package. The Authority Administrator sent a December 9, 2019, letter to PADEP with responses to comments contained in the October 31, 2019, review letter regarding the revised Lot #2 Commercial Parcel SPFM package. Bohler Engineering reported to PADEP on January 3, 2020, that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020, letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project. ARRO received revised land development plans, dated October 8, 2020. ARRO reviewed the plans and had no additional comments to the sanitary sewer portions of the plans. ARRO reviewed the sanitary sewer escrow submitted on October 12, 2020, by Toll Brothers. ARRO prepared an October 13, 2020, letter to the Township stating it had no comments to the \$147,396.00 sanitary sewer escrow estimate. The project's preconstruction meeting was held on October 21, 2020. Work to clear and rough grade the site is expected to start at the beginning of November 2020. Sanitary sewer installation is not expected to start until February 2021. Toll Brothers submitted the project's site sanitary sewer construction bond to the Township. ARRO reviewed and commented on sanitary sewer shop drawings submitted by the site contractor, Lyons & Hohl. Toll Brothers' 55 townhomes (Lot 2A, Residential), rated at 185 gpd each, has a total sewage flow of 10,175 gpd. Toll submitted certification to ARRO documenting the repurchase of 6,560 gpd Toll originally sold to Byers Retail Acquisition Limited Partnership for the previously proposed commercial improvements of the parcel. Toll will purchase the remaining 3,615 gpd it needs at \$70 per gallon for treatment and disposal. The total amount due from Toll to Upper Uwchlan Township Municipal Authority being \$253,050 as a single, upfront payment to the Authority. According to the Township Finance Department, Toll Brothers has paid the Township the \$253,050.00 for the 55 townhomes (Lot 2A, Residential) treatment and disposal costs. Installation of sanitary sewer is tentatively scheduled to start on January 25, 2021. Sanitary sewer construction started on January 26, 2021. Sanitary sewer construction continues. Toll Brothers submitted sewer escrow release request No. 1 in the amount of \$119,330.00. ARRO reviewed the quantities and prepared an April 12, 2021, letter to the Township recommending release of the requested amount. All sanitary sewer is installed, but not been completely tested. Sanitary sewer manholes installed as part of Lot #1, but within Lot #2, remain to be vacuum tested now that paving has been placed around their manhole frames. Installation of the gravity house service line to each new townhome started in May 2021. Through November 4, 2021, fourteen house service lines have been installed and tested. Installation of the last gravity house service line to each new home was completed on November 7, 2022. On April 4, 2023, Toll Brothers submitted to ARRO the Enclave at Chester Springs sanitary sewer record drawings for review and comment. ARRO has started its review of the drawings.

ARRO completed its review of the Enclave at Chester Springs record drawings and on June 21, 2023, returned comments to Toll Brothers.

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

prepared a July 5, 2022, letter with sanitary sewer review comments to the May 25, 2022, amended Final PRD plans. The Sewage Facilities Planning Module Component 3 with supporting flow calculations, Amended Final PRD Utility Plan and Project Narrative, dated November 23, 2022, were submitted to ARRO for review. On January 4, 2023, ARRO transmitted comments to the Sewage Facilities Planning Module Component 3, the Amended Final PRD Utility Plan and the Project Narrative.

Nothing new to report.

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

assisting the Developer's engineer with the PennDOT highway occupancy permit. ARRO is assisting the Developer's engineer with the PADEP Sewage Facilities Planning Module preparation. On September 13, 2022, ARRO participated in the project pre-construction meeting. ARRO reviewed and commented on the project's initial sanitary sewer shop drawings. On March 21, 2023, onsite sanitary sewer installation began. All onsite sanitary sewer mains and manholes were installed and the new insertion manhole in Byers Road was also installed along with the sewer main connecting the road and site manholes.

Sanitary sewer mandrel testing and manhole vacuum testing, along with submission of record drawings, remain to be completed.

Eagle Hunt

Nothing new to report.

Eaglepointe

Wastewater Treatment Plant: ARRO is working on a plan to convert the Eaglepointe WWTP into a pretreatment facility before sending the effluent on to the Route 100 Regional WWTP for final treatment. It is proposed to design and construct an effluent pump station for a 2-inch force main. ARRO has laid out a preliminary force main route from the Eaglepointe WWTP to the proposed Byers Road sanitary sewer extension across Route 100. ARRO is in the process of preparing to apply for project H2O PA grant funding for the conversion of Eaglepointe to a pre-treatment facility that will send its effluent to the Route 100 Regional WWTP. The Authority will need to execute a resolution prepared by ARRO for the grant funding. On December 20, 2022, ARRO submitted the H2O PA grant funding application for the conversion of Eaglepointe to a pre-treatment facility that will send its effluent to the Route 100 Regional WWTP. At the request of Clean Water, ARRO prepared a statement for distribution by the Eaglepointe property owner to its tenant commercial companies to refrain from using quaternary ammonia disinfectants and cleaning products that are believed to have upset the treatment plant process.

Nothing new to report.

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

attended a July 29, 2021 meeting with Eagle Retail Associates and the prospective future owner of Eaglepointe to discuss the proposed Dilibero sanitary sewer that will cross through the Eaglepointe lot containing Citadel Credit Union. ARRO prepared exhibit drawings showing temporary and permanent sanitary sewer easements across both the Citadel Credit Union and Eagle Service Center lots. Based on initial discussions some revisions were made and easement agreements will be drafted. At ARRO direction, surveyors will be conducting boundary survey the week of September 20, 2021 for both the Citadel Credit Union and Eagle Service Center lots. Temporary and permanent easement plans and descriptions will be prepared by the surveyors for future easement agreements. Surveyors completed the boundary survey for both Citadel Credit Union and Eagle Service Center lots. Easement plans and descriptions were submitted to ARRO on October 7, 2021 for review. ARRO prepared comments to the documents and submitted them to the surveyors on October 20, 2021. Surveyors revised the easement documents and resubmitted them to ARRO. ARRO reviewed and forwarded the documents to the Authority solicitor on November 10, 2021 with a request to prepare a Deed for Sewer Easement for each the Citadel Credit Union and Eagle Service Center lots. The Authority solicitor prepared a Deed for Sewer Easement for both the Citadel Credit Union and Eagle Service Center lots. The documents are being reviewed by the property owners. A Deed for Sewer Easement for both the Citadel Credit Union and Eagle Service Center lots as prepared by the Authority solicitor was approved by each property owner and recorded in the Chester County Courthouse. Recorded documents were sent to each property owner by the solicitor on January 19, 2022. On March 16, 2022, ARRO received proposed sanitary sewer design drawings from the Developer's engineer. ARRO is in the process of reviewing the latest sanitary sewer drawings. ARRO is in the process of reviewing the latest sanitary sewer drawings. ARRO had a June 21, 2022 meeting at 37 Pottstown Pike with Synergy Environmental to discuss the possible discharge of treated groundwater remediation effluent to the Eaglepointe WWTP sanitary sewer system in lieu of the existing discharge to the Township stormwater system. On September 15, 2022, ARRO received updated sanitary sewer plans and the sanitary sewer facilities planning module application mailer for review. ARRO reviewed the September 15, 2022 updated sanitary sewer plans and the sanitary sewer facilities planning module application mailer and returned comments to the Developer's Engineer on October 11, 2022. Subsequently, the documents were revised by the Engineer and returned to ARRO, which were then reviewed and approved by ARRO with no further comments. ARRO was made aware that the Developer's Engineer submitted to PADEP the project's SFPM. ARRO reviewed the revised SFPM for the project, which now includes the property at 37 Pottstown Pike. After the Authority Administrator signed the SFPM, ARRO forward it back to the Developer's Engineer for submission to PADEP. PADEP sent a March 28, 2023 letter stating the project does not meet the definition of a subdivision; therefore, no planning modules are required. ARRO will advise the Developer that it needs to submit its insurance to the Township before starting any sanitary sewer installation work.

Nothing new to report.

Ewing Tract

Nothing new to report.

Fetter Farm Tract (a.k.a. Preserve at Marsh Creek)

ARRO received a request from a developer engineer for information on available treatment capacity to serve the Tract and met with the Township Manager and developer engineer on September 18, 2012, to discuss treatment capacity and conveyance to the Route 100 WWTP. On August 5, 2014 a meeting was held at the Township Building with The McKee Group to discuss the active adult community proposed by the Developer for the property. A subsequent meeting was held at the Township Building on August 14, 2014 with the Township, Developer and Authority Administrator to discuss sewage flows and disposal. ARRO reviewed a Conditional Use Plan for Fetter's Property prepared for McKee-Milford Associates, LP, dated October 12, 2016. ARRO prepared a review letter to the Township, dated November 8, 2016. The Developer is proposing 375 Housing Units, which will produce 62,675 gallons per day of sanitary sewer flow. The Developer is proposing participation in upgrades to the Route 100 Regional WWTP facility that will trigger the Phase 3 expansion of the WWTP. A review of the capacity within the downstream collection and conveyance system is required to determine the extent of improvements necessary to accept the proposed sewage flow. Preliminary Subdivision/Land Development Plans were submitted to ARRO and are currently under review. The Plans call for 375 mixed Single Family, Twin and Triple units and a Community Center to be built in the subdivision. The subdivision will connect to the Reserve at Eagle by way of Prescott Drive and to the Reserve at Chester Springs by way of Radek Court. The sanitary sewer disposal requirements are calculated to be 62,675 gpd. On-site drip disposal capacity is calculated to be 42,643 gpd, and the off-site sewage disposal requirement is 20,032 gpd. The combination gravity and low-pressure sanitary sewer systems will be directed to the Reserve at Eagle Pump Station No. 1 off Prescott Drive. Preliminary Subdivision/Land Development Plans were submitted and reviewed by ARRO. ARRO comments were submitted in an April 10, 2017 letter to the Township. ARRO is in the process of reviewing the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Application. ARRO reviewed the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Plan and submitted comments to the plan in a July 10, 2017 letter to the Township. ARRO also reviewed the subdivision's low-pressure sewer system design calculations and submitted comments to the design in a July 12, 2017 letter to the Township. ARRO reviewed an August 1, 2017 revision to the low-pressure sewer system design calculations and drawings and submitted an August 16, 2017 letter to the Township with comments to the revision materials. ARRO has started an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. The evaluation is substantially complete with the exception of emergency generator assessment. ARRO continues an evaluation of Upland Farms drip disposal to ascertain the facility's capability to store and dispose the Fetter Tract effluent. ARRO reviewed the Sewage Facilities Planning Module (SFPM) and is working on the sanitary sewer review. The Authority Administrator signed the SFPM Component 3 Sections G and J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No. 1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based

on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. ARRO reviewed the latest revised Water Quality Management Part II Permit application package received August 21, 2019 from Ebert Engineering. ARRO has no further comments to Ebert's permit application, only ARRO comments remain to be addressed on E. B. Walsh's land development drawings regarding the lining of low-pressure force main discharge manholes. Ebert Engineering sent to PADEP the WQM Part II Permit Application package by transmittal letter dated October 3, 2019. On October 15, 2019 ARRO received from E. B. Walsh the latest Subdivision and Land Development Plan drawings entitled "The Preserve at Marsh Creek" along with a response letter to previous plan review comments. ARRO will review and comment on the sanitary sewer portion of the latest drawings. ARRO reviewed and on November 1, 2019 issued comments to the Phases 1 and 1A sanitary sewer escrow calculations as submitted by the McKee Group. McKee Group issued revised escrow calculations on November 15, 2019 in response to ARRO comments. The Preserve at Marsh Creek preconstruction meeting was held on December 4, 2019. Site survey and erosion control measures work will be starting within two weeks. ARRO has requested a schedule of sanitary sewer installation work from the site contractor. PADEP issued the WQM permit, dated November 25, 2019, for the low-pressure sanitary sewer with individual grinder pumps and for the upgrade to the Reserve at Eagle Pump Station No. 1 required as part of the project. McKee Group held a February 5, 2020 meeting with its engineers and contractor. Discussions included forthcoming designs for the piping between the Preserve drip fields and Upland Farms pump station, revisions to gravity sanitary sewer around Reserve at Eagle PS #1, and the Route 100 Regional WWTP Phase III expansion. McKee expects submission of the Phase III expansion design around May 2020, not March 2020 as stipulated in the Agreement for Expansion of the Route 100 Central WWTP. ARRO had a February 12, 2020 meeting with Keystone Engineering at the Reserve at Eagle PS #1 to discuss electrical revisions to the station in support of the upgrade necessary to carry McKee flows. ARRO continues reviewing the project's sanitary sewer materials shop drawings. Site contractor construction schedule shows start of sanitary sewer installation as the last week of February 2020. Site contractor started sanitary sewer installation on March 4, 2020. Site contractor suspended sanitary sewer installation work due to coronavirus restrictions. On May 1, 2020 Ebert Engineering submitted initial plans for the Reserve at Eagle Pump Station Upgrade. ARRO transmitted a May 12, 2020 email to Ebert Engineering with review comments to Reserve at Eagle Pump Station Upgrade plans. ARRO received an email from Ebert Engineering that the initial submission of the Upland Farms drip pump station upgrade and Fetter's site drip field design would be submitted during the week of May 25. On June 12, 2020 ARRO received from Ebert Engineering the initial submission of the Fetter's Tract Drip Disposal System Part II WQM Permit Application, Design Engineer's Report and Drip Disposal System design drawings issued for WQM review. ARRO is in the process of reviewing the documents. ARRO reviewed E. B. Walsh Utility Coordination drawings and Ebert Engineering revised low pressure sewer system drawings and issued June 17, 2020 comments to each drawing set. On June 25, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design that removed the Drip Filter Building, along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO transmitted comments on the documents to Ebert Engineering by email dated July 2, 2020. On July 15, 2020 E. B. Walsh submitted a revised Utility Coordination plan set to address previous ARRO comments. The plan set was primarily developed to coordinate information contained on various plans prepared by Ebert Engineering and the E. B. Walsh offices. ARRO is in the process of reviewing the revised plan set. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO is in the process of reviewing the revised plans. Gravity sanitary sewer installation continues, while low pressure sewer system shop drawings were submitted and reviewed in early August 2020. On July 24, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO is in the process of reviewing the revised documents. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO reviewed the revised plans. ARRO transmitted an August 19, 2020 email to Ebert Engineering stating it had no further comments to the plans. ARRO transmitted a September 4, 2020 email to Ebert Engineering with review comments to the revised Fetter Drip Disposal System design along with the

revised WQM Part 2 Permit Application and Design Engineers Report. ARRO submitted September 2, 2020 comments to the Ebert Engineering drawings of the rerouted Reserve at Eagle PS #1 force main around existing Manhole #500 necessary to facilitate the installation of new gravity sewer between the manhole and the pump station wetwell. The drawings were subsequently revised and approved by ARRO. Sanitary sewer and force main work at the Reserve at Eagle PS #1 was completed and tested. All sanitary sewer was completed and tested between the Reserve at Eagle PS #1 and the Toll/McKee model homes. House service lines at the four McKee model homes and the two Toll Brothers model homes were completed and tested. ARRO reviewed the revised Fettlers 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 Fettlers Tract Drip Disposal WQM permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. ARRO reviewed Phase 1 sanitary sewer escrow release No. 1 and prepared a February 24, 2021 letter to the Township approving the quantities and the escrow release's requested amount of \$669,462.83. Work continues on installation and testing of gravity and low-pressure sewer system mains. On July 1, 2021, McKee transmitted Phase 1 sanitary sewer escrow release No. 2 request to ARRO. ARRO is in the process of reviewing the request. After reviewing McKee's Phase 1 sanitary sewer escrow release No. 2 request, ARRO prepared a list of items to complete based on ARRO RPR records. ARRO also prepared an August 17, 2021 letter to the Township recommending withholding \$19,721.85 to cover the costs to complete the work items in the list and finding acceptable the release of \$207,270.85 to McKee. A pre-construction meeting for Phase 2 and Phase 3 was conducted on December 6, 2021. The sanitary sewer systems in both phases are low pressure sewer. The contractor has started to submit the sanitary sewer component shop drawings. Phase 2 and Phase 3 sanitary sewer installation has not begun as of February 17, 2022. Phase 2 sanitary sewer installation began on March 14, 2022. On March 8, 2022, Ebert Engineering submitted a February 14, 2022 letter from Hydro Designs, Inc. with the concept of combining the drip systems of both Upland Farms and Preserve at Marsh Creek under one process control. ARRO is reviewing the letter. On April 29, 2022, the Authority Administrator and ARRO received an email that McKee has authorized MGK to proceed with the Reserve at Eagle Pump Station #1 upgrades. On July 6, 2022, ARRO directed Ebert Engineering to provide a written update and schedule for the drip field controls prior to a meeting with the Authority Administrator to discuss the Hydro Designs, Inc. letter with its concept of combining the drip systems of both Upland Farms and Preserve at Marsh Creek under one process control. As of September 20, 2022, ARRO has yet to receive the update and schedule from Ebert Engineering. ARRO continues to receive and review the Reserve at Eagle Pump Station #1 Upgrade shop drawings. A video conference was held on October 17, 2022 with the Authority Administrator, McKee, Ebert Engineering, MGK and ARRO to discuss the schedule for the installation of the drip field tubing, the drip supply and return piping and controls and the effluent pipe from the Upland Farms drip control building to the Preserve at Marsh Creek drip fields. The need to start monitoring well background sampling was also discussed. Subsequently, a site drip field pre-construction meeting was arranged with PADEP to occur on October 21, 2022. Installation of Fettlers Tract (Preserve at Marsh Creek) drip fields tubing was started by Lee Rain on October 24, 2022 and is continuing. Valley Environmental Services, Inc. completed background sampling at all but one monitoring well. The solitary monitoring well will be sampled when access is available. Installation of Fettlers Tract (Preserve at Marsh Creek) drip fields tubing was completed on November 29, 2022. Perimeter drip field piping will be installed in Spring 2023. Valley Environmental Services, Inc. completed background sampling at the last monitoring well, F-1. MGK Industries intends to start the upgrade of the Reserve at Eagle Pump Station No. 1 the week of December 26, 2022. MGK Industries received a proposal from its bypass pumping subcontractor, but has decided to postpone the start of the Reserve at Eagle Pump Station No. 1 upgrade until sometime in the near future. A pre-construction meeting was held on Friday, January 13, 2022, for the installation of the 6" drip field effluent force main from the Upland Farms Drip Control Building. The installation of the 6" drip field effluent force main from the Upland Farms Drip Control Building to the Preserve drip fields was completed and tested. The

tie-in of the effluent force main to the existing Upland Farms/Waynebrook drip force main remains to be done. The Authority Administrator prepared and sent a February 6, 2023 letter to McKee Group regarding reserve treatment and disposal capacity for the project. The letter stipulates that the Authority can accommodate new Preserve at Marsh Creek units to be connected through December 2023. However, the date could be sooner if the connection rate in 2023 is greater or faster than 2022. The letter further notes that the Authority will require the new Upland Farms drip controls, the new drip fields and their respective supply and return piping infrastructure to be completed and operational by June 2024. McKee responded with a February 17, 2023 email containing a February 17, 2023 proposal from Keystone Engineering for Upland Farms Pump Controls Upgrade and new Fetter Drip Field Control Systems. The Authority Administrator and ARRO are reviewing the Keystone proposal. The Authority Administrator and ARRO reviewed the Keystone proposal and on February 24, 2023 returned comments to McKee. A March 6, 2023 revised proposal was submitted for review and comment. The March 6, 2023 revised proposal was reviewed and accepted. Drip main feed and dose vaults are installed. Drip Field "A" return lines and flush vaults are partially installed as are conduits for power and control. Subzone dose vaults need to be installed.

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

Drip Field "A": All of the piping, manifolds and wiring is now complete, but have not been tested.

Drip Field "B": Contractor is installing the drip return piping. At least 4 weeks of work remain to complete piping and wiring. Drip Field Controls: Individual field control panel pads have been completed along with the installation of power wiring conduits.

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. On February 17, 2023, the Developer sent an email to the Authority Administrator with start-up certification documentations for the three EcoFlo pre-treatment units. ARRO is endeavoring to schedule an onsite training session for the units with the manufacturer's representative. On March 16, 2023, an onsite training session for the units with the manufacturer's representative was held for Clean Water and ARRO. After the meeting, ARRO conveyed comments on the system installation provided by the manufacturer's representative to the Developer and the Developer's Engineer. The Developer made corrections to the treatment system that were accepted by ARRO on April 12, 2023.

Nothing new to report.

Meadow Creek Sewer Extension to Greenridge WWTP: At the request of the Authority Administrator ARRO prepared March 16, 2020 sketch plans and opinions of probable construction costs to extend Meadow Creek sanitary sewer to the Greenridge WWTP. ARRO is studying the retirement of the Meadow Creek WWTP by starting a study to determine what upgrades are needed at Greenridge WWTP in order to accept flow from Meadow Creek. ARRO also initiated a preliminary design for a pump station and force main system to convey Meadow Creek flow to Greenridge WWTP. ARRO continues the plans for decommissioning the Meadow Creek WWTP, continues preliminary pump station and force main design to convey sewage to the Greenridge WWTP, and

continues the study of the Greenridge WWTP to determine what upgrades are needed to accept Meadow Creek flow. ARRO received a proposal from its surveyor to prepare initial survey for the sewer extension and is evaluating the proposal. ARRO reviewed the surveyor proposal to prepare initial survey for the sewer extension and recommended its approval to the Authority Administrator. ARRO received approval from the Authority Administrator for survey. ARRO directed the surveyors to proceed with the initial survey for the sewer extension. ARRO continues the plans for decommissioning the Meadow Creek WWTP and continues preliminary pump station and force main design to convey sewage to the Greenridge WWTP. On July 5, 2022, ARRO received the Hopkins & Scott site survey for the project. ARRO incorporated the survey into the sanitary sewer drawings. The Authority Administrator and ARRO participated in a conference call with PADEP about the Greenridge WWTP upgrade and sending Meadow Creek sanitary sewer flow to Greenridge for treatment. ARRO is working on the selection of wastewater treatment methods to upgrade the Greenridge WWTP to treat the combined flow from Greenridge, Stonehedge, OCARD and Meadow Creek. ARRO is in the process of preparing to apply for project H2O PA grant funding. The Authority will need to execute a resolution prepared by ARRO for the grant funding. On December 20, 2022, ARRO submitted the H2O PA grant funding application for the Meadow Creek Sewer Extension project.

Nothing new to report.

Jankowski (Chester Springs Crossing)

Nothing new to report.

Lakeridge

ARRO is preparing an evaluation of the wastewater plant and sanitary sewer to assess the feasibility of connecting six (6) homes along Moore Road to the sanitary sewer system. ARRO completed its evaluation of the wastewater plant and sanitary sewer. The wastewater plant has sufficient capacity, but an extension to the existing Moore Road sanitary sewer will need to be constructed. 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 is 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. One Walter Court home was connected to the existing sewer system. ARRO started preparation of the annual groundwater monitoring report.

ARRO submitted the annual groundwater monitoring report on May 31, 2023.

Marsh Harbour

On June 16, 2023, the HOA reported to the Authority Administrator that the owner of a property adjacent to the WWTP brought to the HOA's attention a significant stormwater overflow from a catch basin on the WWTP property, with the overflows occurring with increased frequency. ARRO conducted a site inspection and is researching the development's and WWTP's design drawings.

Reserve at Eagle

MGK contractor installed the replacement check valves and plug valves. Installation of pump station bypass and upgraded pumps and VFDs remain to be completed.

The installation of replacement pumps and VFD/controls is complete. The pump station bypass necessary for the work has been removed. All of the new upgrade equipment is now in service.

Route 100 WWTP

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to rerate the fields for additional capacity. ARRO engaged a sub-consultant to review the existing disposal field design records, the Route 100 WWTP SBR discharge limits and ARRO study findings. ARRO received the sub-consultant's report and is reviewing the findings. ARRO prepared a revised Route 100 Regional WWTP allocated treatment and disposal capacity summary. Based on an ARRO search and mapping study conducted in late 2016 for new disposal sites within and near the Township ARRO is evaluating a parcel on South Chester Springs Road to propose how the land could be subdivided and will be preparing an estimate of disposal capacity that would be available in the subdivided areas. ARRO evaluated a parcel on South Chester Springs Road to propose how the land could be subdivided and prepared an estimate of disposal capacity that would be available in the subdivided areas. ARRO found two potential 18-acre drip field areas on the parcel each with an average estimated capacity of 100,000 gallons per day. ARRO has initiated preliminary layout design for two potential 18-acre drip fields on the South Chester Springs Road parcel (the Bennett property). ARRO started preparing the Route 100 Regional WWTP annual groundwater monitoring report. ARRO completed preparation of the draft Route 100 Regional WWTP annual groundwater monitoring report. ARRO will submit the report to PADEP after review and comment. On July 25, 2022 ARRO submitted to PADEP the Route 100 Regional WWTP annual groundwater monitoring report. ARRO prepared the Delaware River Basin Commission (DRBC) permit renewal application, which includes the Route 100 Regional WWTP Phase III Upgrade. A \$15,176 Project Review Fee is required by DRBC. On December 2, 2022, ARRO submitted to the Delaware River Basin Commission (DRBC) the permit renewal application, which includes the Route 100 Regional WWTP Phase III Upgrade. Delaware River Basin Commission (DRBC) sent a December 28, 2022 Notice of Applications Received that included the Route 100 Regional WWTP Phase III Upgrade permit renewal application. ARRO continues preparing the 2022 Route 100 Regional WWTP Chapter 94 report. ARRO completed preparation of the 2022 Route 100 Regional WWTP Chapter 94 report, which was submitted to PADEP on March 30, 2023.

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. Comments were anticipated by the end of October 2022; however, to date no comments have been received from PADEP. The Authority Administrator and ARRO had a December 8, 2022 meeting with PADEP to review and discuss PADEP comments to the draft Act 537 Plan. ARRO is preparing responses to the PADEP comments. Draft edits and changes have been made by ARRO to the Act 537 Plan per comments received from PADEP. Edits to the Plan's text have been forwarded to the Authority Administrator for review and comment. ARRO met with the Authority Administrator to review and discuss the Administrator's comments to ARRO's initial Plan edits. ARRO made further edits per the Administrator's suggestions and provided the Administrator with an updated Act 537 Plan document for additional review and comment. ARRO has incorporated the Authority Administrator's review comments into the updated Plan. The Administrator reviewed the most recent edits to the Plan and had no further comments. On March 2, 2023, ARRO resubmitted the Plan to PA DEP. PADEP has 120 days to review and comment on the Plan.

Nothing new to report.

Route 100 WWTP – Phase III

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction. ARRO responded to

February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing. ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22. ARRO received a July 17, 2002 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional WWTP Phase III project. ARRO is in the process of reviewing the documents. On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings. ARRO completed review of Ebert Engineering's revised Route 100 Regional WWTP Phase III WQM Part 2 permit application with revised upgrade design drawings transmitted November 4, 2020. On December 16, 2020 ARRO transmitted comments on the documents to Ebert Engineering. ARRO completed a review of Ebert Engineering's further revised Route 100 Regional WWTP Phase III WQM permit application design documents and had no further comments to the application. On January 8, 2021 the Authority Administrator signed the permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021. Ebert Engineering submitted the WQM permit application documents to PADEP by transmittal letter dated January 25, 2021. Keystone Engineering has started the Route 100 Regional WWTP Phase III electrical design. ARRO met a Keystone electrical engineer at the WWTP to review the existing electrical equipment. On April 21, 2021 ARRO was informed by Ebert Engineering that the Route 100 Regional WWTP Phase III electrical design will be submitted for review and comment the week of April 26, 2021. On May 11, 2021, ARRO received from Ebert Engineering the Route 100 Regional WWTP Phase III electrical design. ARRO has started a review of the design. On June 14, 2021, ARRO received the draft Phase III final design technical specifications and drawings from Ebert Engineering for review and comment. ARRO reviewed the draft Phase III final design technical specifications and drawings and on July 21, 2021 transmitted to Ebert Engineering review comments to the documents. The Authority Administrator submitted an August 2, 2021 letter to PADEP committing to use planning-based flow numbers in the draft Act 537 Plan and expand the Plan to address new land disposal capacity. The Authority Administrator and Ebert Engineering had a September 1, 2021 email exchange with PADEP regarding the WQM permit for the Route 100 Regional WWTP Phase III project. PADEP said it would not issue the WQM permit for the full 0.800 MGD, but would limit the WQM permit to 0.600 MGD. However, PADEP could issue the permit to allow construction of the final two SBR tanks with the caveat that only three of the four SBRs can be operational at any one time. A draft copy of the permit was received by Ebert Engineering the week of September 13, 2021 and was forwarded to the Authority Administrator for review by ARRO. ARRO reviewed the draft copy of the Phase III WQM permit and prepared comments to the Authority Administrator. The ARRO comments were incorporated into a draft letter on Authority letterhead. The letter was submitted to PADEP for use as the basis for discussion in a September 29, 2021 video conference with the Authority Administrator, PADEP, Ebert Engineering and ARRO in an effort to expedite the issuance of a final permit. PADEP issued the final Phase III WQM permit under transmittal letter dated November 15, 2021. ARRO received on October 22, 2021 Ebert Engineering's first revision to the draft Route 100 Regional WWTP Phase III construction drawings and technical specifications. ARRO prepared comments to the documents and submitted them to Ebert Engineering on November 8, 2021. ARRO prepared and submitted on November 16, 2021 further comments to the electrical design. On December 6, 2021 Ebert Engineering submitted the second revision to the draft Route 100 Regional WWTP Phase III construction drawings and technical specifications. ARRO prepared comments to the documents and submitted them to Ebert Engineering on December 20, 2021. The Phase III pre-construction meeting was held at the Upper Uwchlan Township Building on February 17, 2022. Ebert Engineering is preparing revised plans to show the 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 continued to review Ebert and Dutchland revisions to the Phase III design drawings and technical specifications when submitted. ARRO has no further comments to the latest Technical Specifications, dated September 9, 2022, and only one comment to the latest Contract Drawings, last dated September 14, 2022. MGK submitted to McKee a \$398,993.00 change order, dated October 19, 2022, for the costs to SBR precast tank changes, additional cost of piping and the cost of two new effluent turbine pumps. The change order revises the Phase III contract total cost to \$3,392,453.00. McKee forwarded the change order to the Authority Administrator by email dated October 19, 2022, stating they will approve this increase in the contract costs of the WWTP, but at some point, they will need to talk to the Authority about the change order costs. Construction has begun on the two SBR tanks. The subgrade was tested by the geotechnical consultant and the stone base was placed by MGK. The tank base slab was formed and reinforcing steel was installed. The tank base slab is proposed to be poured on November 18, 2022. The SBR tanks base slab was poured and the tanks' panels were set. Grouting of the tank panels is underway and tensioning of the panel cables will take place the week of December 26, 2022. The two SBR tank panels were grouted and panel cables were tensioned. On January 18, 2023, the first tank was filled with water to start a 2-day tank leakage test. Both SBR tanks passed their 2-day tank leakage test. Contractor has started to install influent and air piping to both tanks. Blower pads were poured and new additional digester and SBR tank blowers were set. Contractor is working on installation of influent piping modifications in the Blower Building. Contractor continues installing influent and air piping in both tanks and air piping modifications in the digester. Contractor continues installation of influent piping modifications in the Blower Building. Rt. 100 Regional WWTP Upgrade Construction: Digester tank aeration equipment was installed. During the aeration work, the Digester precast concrete interior wall surfaces were found to be compromised. At the Authority Administrator's direction, ARRO prepared an April 19, 2023 letter to Dutchland to have its representative come to the WWTP to observe the current wall condition and discuss remediation. SBR #3 and #4 decant supports were installed and the two decants and two mixers are ready to be installed. Aerator diffusers were installed in the two SBR tanks. All of the Phase 3 blowers, blower piping and the two influent motorized plug valves have been installed in the Blower Building. The new fourth influent pump was installed in the pump room. Electrical for the preceding mechanical items remains to be complete. All SBR equipment is installed. Two new effluent pumps are installed, except the Pump #4 motor and VFD. Dutchland repaired minor irregularities to SBR tanks sealant joints and interior coatings. Electricians are installing power and communication wiring. Grading and exterior tank lighting needs to be complete. On April 27, 2023, the Authority Administrator, ARRO, MGK and Dutchland had a meeting at the Route 100 Regional WWTP to discuss the condition of the Digester precast concrete walls. A portion of the wall panels below the waterline are starting to lose the upper layer of concrete fines exposing coarser aggregate. MGK brought along a coatings contractor who will prepare a summary of what could be done to mitigate the concrete condition.

Rt. 100 Regional WWTP Upgrade Construction: The Effluent Pump #4 motor was installed; however, VFDs for both new pumps remain to be installed. Electricians are still working on pulling wire and setting up power/controls for the new SBRs. It is estimated 3 weeks are necessary to complete the

electrical work, predicated on materials/equipment shipments arriving as required. The construction site has been reseeded.

Saybrooke

ARRO started preparation of the annual groundwater monitoring report.

ARRO submitted the annual groundwater monitoring report on May 31, 2023.

St. Andrews Brae

Nothing new to report.

Upland Farms

Nothing new to report.

Waynebrook

Nothing new to report.

Windsor Ridge

Nothing new to report.

Miscellaneous

Active Adult Community, 100 Greenridge Road – On January 7, 2021 the Authority Administrator and ARRO met with a developer to discuss the sanitary aspects for a potential 78 ea. lot active adult community situated over a 58.94-acre total site area at 100 Greenridge Road. A sketch of the proposed site and a ChescoViews satellite image of the site is attached to the January 20, 2021 Project Status Report. On June 4, 2021 the Authority Administrator and ARRO met with Toll Brothers regarding this project. ARRO reviewed the project's conditional use application and prepared a September 7, 2021 letter to the Township. The Developer is proposing 64 single-family lots with a required sanitary sewer capacity of 14,400 gallons per day. The proposed subdivision will be serviced by the Route 100 Regional WWTP with drip field irrigation disposal to be offered for dedication to the Township. ARRO reviewed the project's revised conditional use plans, dated October 4, 2021, and submitted an October 27, 2021 comments letter to the Township. A Conditional Use meeting is scheduled for February 22, 2022. The February 22, 2022, Conditional Use meeting is scheduled to continue on March 29, 2022. A March 29, 2022, Conditional Use meeting was held for the project. There were discussions with the Authority Administrator and ARRO regarding combining flows from Meadow Creek and 100 Greenridge Road and sending the combined flow to the Route 100 Regional WWTP for treatment and disposal. On April 19, 2023, ARRO received a Preliminary Subdivision/Land Development Application for review and comment. The preliminary plans are under review.

ARRO completed its Preliminary Subdivision/Land Development Application review and submitted comments by letter dated May 26, 2023.

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. At the Authority Administrator's direction, ARRO prepared a draft letter to be sent to the four property owners who have not paid their Facilities Fee by the December 31, 2022 deadline ordering them to pay the fee or face enforcement actions specified under Chapter 141 of the Upper Uwchlan Township Code. House service line installations started on September 28, 2022. ARRO is assisting property owners and their plumbers with installation information, as required. The Authority Administrator directed ARRO to prepare letters to four property owners who did not pay their Facilities Fee by the required December 31, 2022 deadline. Each letter required the property owners to pay the Facilities Fee within 30 days of the letter or face fines and penalties specified under Chapter 141 of the Upper Uwchlan Township Code.

ARRO received on May 15, 2023 the sanitary sewer "as-built survey" drawings from the contractor for review.

Milford Farms – ARRO had survey completed on Surrey Lane and Carriage Drive, and on portions of Font Road and Milford Road, as preliminary to the sanitary sewer design for residential homes along these roads. Survey indicated Milford Road gravity sewers would be untenable due to existing grades. ARRO completed a preliminary design for gravity sewer within Surrey Lane, Carriage Drive and the portion of Font Road between Surrey and Carriage. A small wastewater pump station will be needed. The pump station is proposed to be located at the intersection of Font Road and Milford Road and its force main would be connected to an existing force main located in Font Road serving three homes on the Milford Road dead-end. ARRO prepared presentation graphics of the proposed sewer for the Authority Administrator. ARRO prepared letters that were delivered to property owners in the Milford Farms sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School. ARRO is proceeding with the preparation of the sanitary sewer design drawings and specifications for project's submission to PADEP. ARRO is creating Milford Road and Byers Road sanitary sewer informational documents for the Township's website. ARRO is reviewing the planning module application and getting it ready for Authority and Township signatures before its submission to PADEP. ARRO submitted the planning module application to PADEP on

May 10, 2020. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is working on completing the design drawings and specifications for the project. On September 18, 2020 planning module approval was received from PADEP. ARRO is continuing to prepare the WQM Part 2 permit for the proposed pump station as well as the plans and specifications. ARRO intends to soon submit the WQM Part II permit application package to PADEP. A \$500 fee to the Commonwealth of Pennsylvania is required as part of the permit application. ARRO submitted the Part II permit application to PADEP on February 15, 2021. ARRO received the WQM Part II permit from PADEP via email on June 4, 2021. ARRO is revising the Milford Farms pump station easement drawing to comply with the property owner's request to reduce the easement width from 50 feet to 30 feet. ARRO revised the Milford Farms pump station easement drawing to comply with the property owner's request to reduce the easement width from 50 feet to 30 feet. ARRO is securing the services of an appraiser for the pump station easement. ARRO is working to put together the survey, legal description and appraisal package for the Milford Farms pump station in a Font Road property easement. On September 1, 2022, an appraisal report package prepared by William Wood Company for the Milford Farms pump station in a Font Road property permanent easement was received in the amount of \$1,500.00. ARRO is in the process of preparing to apply for project H2O PA grant funding. The Authority will need to execute a resolution prepared by ARRO for the grant funding. Authority counsel prepared an easement Agreement for the proposed Font Road pump station. Counsel requested preparation of a drawing showing the location of the agreed service line connection installations from the property owner's house and out-building as stated in the Agreement. ARRO is in the process of preparing the requested drawing. ARRO prepared and submitted to the Authority counsel the easement drawing showing the location of the agreed service line connection installations from the property owner's house and out-building as stated in the Agreement. The final Agreement went to the property owner and the Authority Administrator is meeting with the property owner on December 27, 2022 to get the Agreement executed. On December 20, 2022, ARRO submitted the H2O PA grant funding application for the Milford Farms Sanitary Sewer Extension project. The Authority Administrator met the property owner on December 27, 2022 and the easement Agreement was signed. Once the Authority executes the Agreement the deed can be signed and notarized. The pump station site Easement Agreement and Deed of Dedication were executed on February 21, 2023. The \$1500 pump station easement purchase check has been processed for payment.

Nothing new to report.

301 Park Road – A Developer's engineer, Wilkinson & Associates, has approached ARRO for sanitary sewer information for the connection of a proposed commercial building, to be located at 301 Park Road, to the Route 100 Regional WWTP sanitary sewer system within Heather Hill Drive. Currently, the building is proposed to be sized for 11 employees. The number of EDUs has yet to be determined. ARRO determined that 1 EDU was required for the project. A land development plan was submitted for review on November 16, 2022. On December 1, 2022, ARRO submitted review comments to the November 16, 2022 land development plans. ARRO received a second preliminary land development plan from Wilkinson & Associates, dated March 1, 2023, for review and comment. ARRO sent an April 4, 2023 letter with its review comments to the second preliminary land development plan from Wilkinson & Associates. ARRO reviewed the sewage facilities planning module mailer packet, signed the mailer, and on April 21, 2023 returned it to the applicant.

Nothing new to report.

160/180 Park Road (Gunner Properties) - ARRO reviewed a PADEP sewage facilities capacity determination form and mailer for a new take-out restaurant and bar at 160/180 Park Road. After ARRO review, the Authority Administrator signed the documents on March 29, 2023, and then ARRO transmitted the documents back to the Developer's engineer on March 31, 2023.

Nothing new to report.

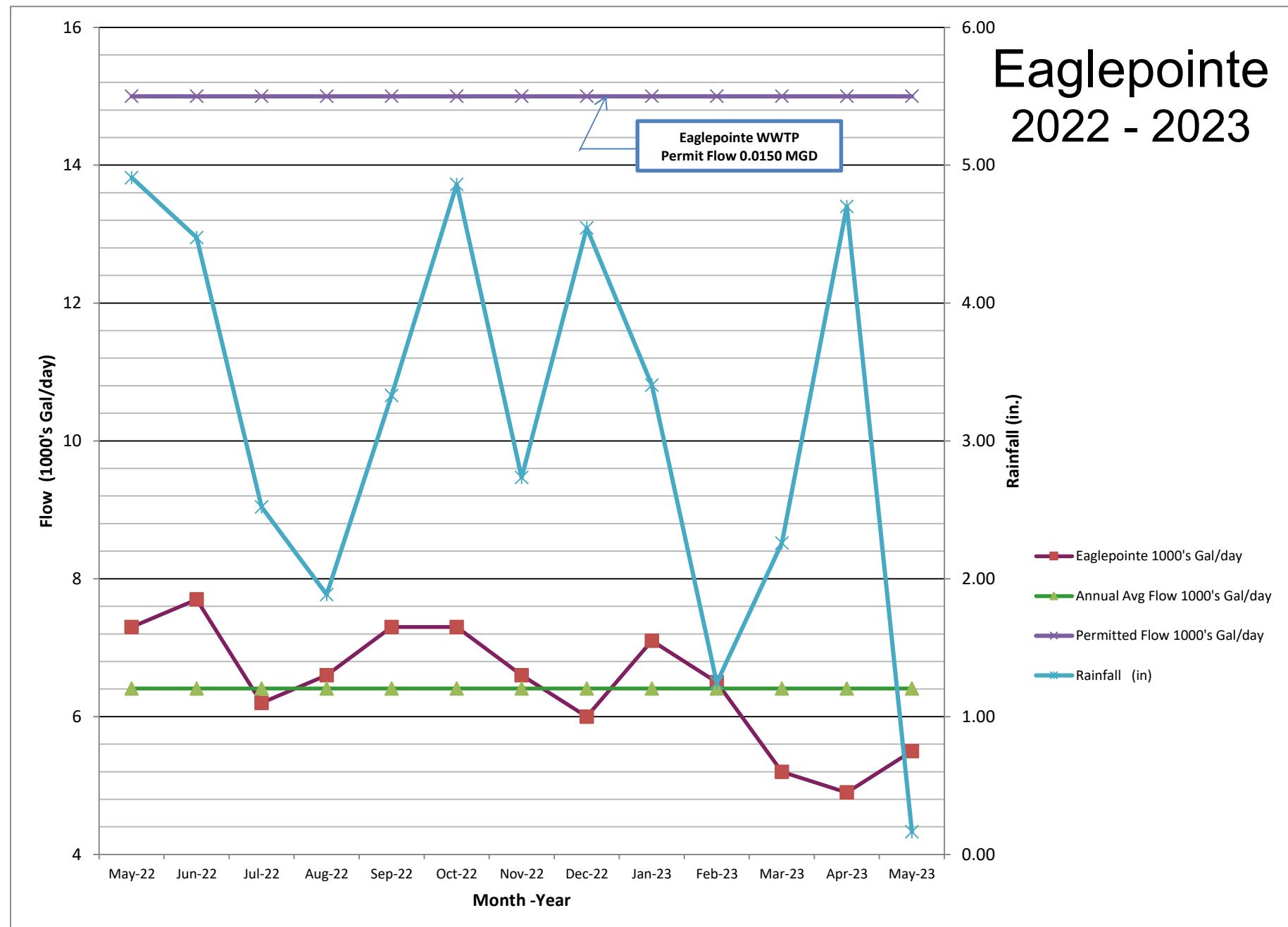
Township Wastewater Treatment Plant's Monthly Average Flow Charts – Please see the attached.

UPPER UWCHLAN MUNICIPAL AUTHORITY
WASTEWATER TREATMENT PLANTS
MONTHLY AVERAGE DAILY FLOWS

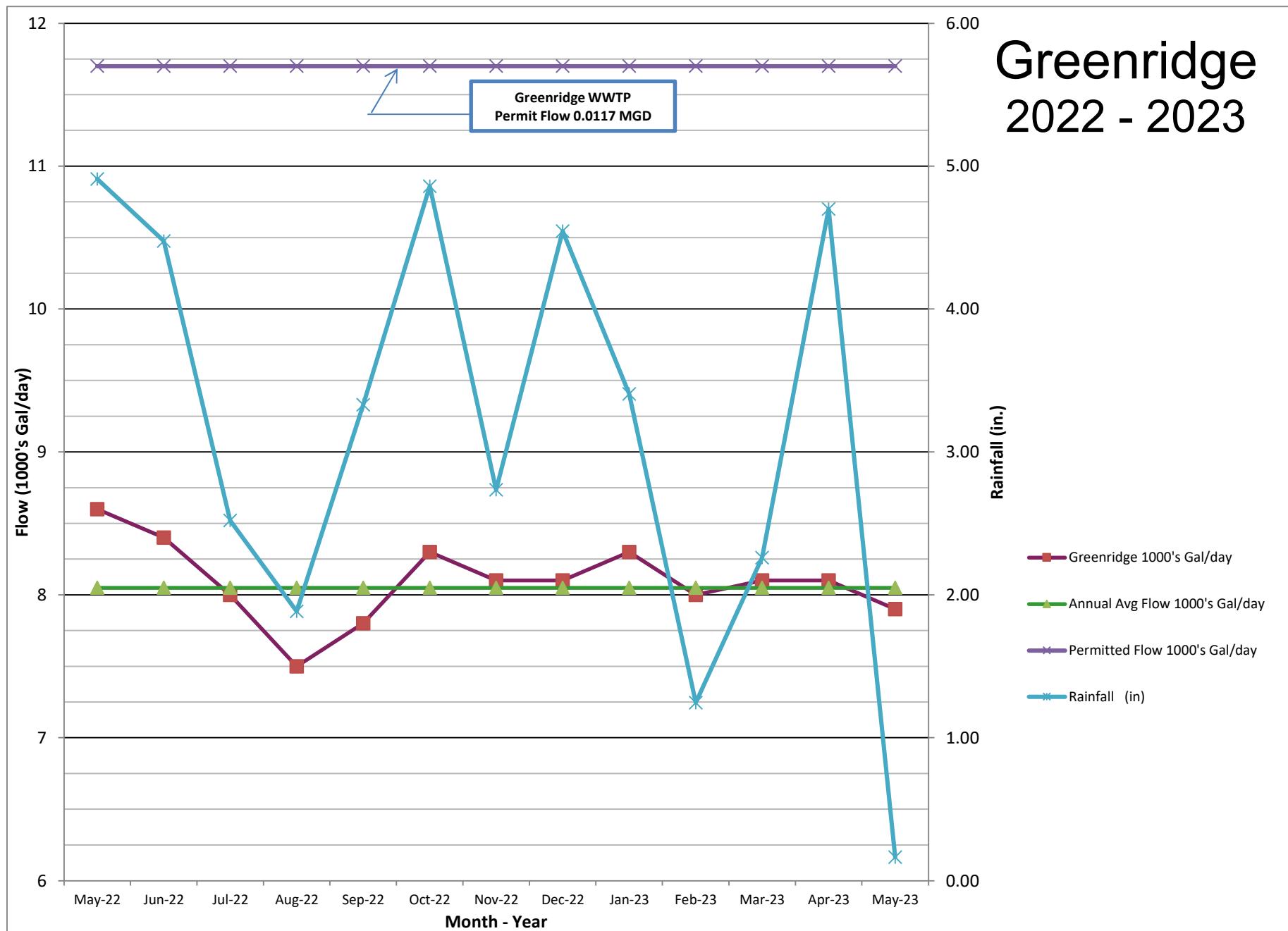
Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
May-22		0.00730	0.00860	0.02540	0.03700	0.37390	0.00840	0.00190	4.91
Jun-22		0.00770	0.00840	0.02250	0.03530	0.38780	0.00850	0.00130	4.48
Jul-22		0.00620	0.00800	0.02180	0.03600	0.37010	0.00760	0.00110	2.52
Aug-22		0.00660	0.00750	0.02160	0.03500	0.37540	0.00770	0.00110	1.89
Sep-22		0.00730	0.00780	0.02190	0.03250	0.38660	0.00750	0.00140	3.33
Oct-22		0.00730	0.00830	0.02400	0.03370	0.38700	0.00780	0.00210	4.86
Nov-22		0.00660	0.00810	0.02520	0.03480	0.39270	0.00780	0.00230	2.74
Dec-22		0.00600	0.00810	0.02750	0.03540	0.39050	0.00800	0.00210	4.55
Jan-23		0.00710	0.00830	0.02560	0.03420	0.38290	0.00820	0.00240	3.41
Feb-23		0.00650	0.00800	0.02330	0.03350	0.39500	0.00820	0.00200	1.25
Mar-23		0.00520	0.00810	0.02300	0.03240	0.39350	0.00780	0.00210	2.26
Apr-23		0.00490	0.00810	0.02280	0.03170	0.40094	0.00830	0.00160	4.70
May-23		0.00550	0.00790	0.02490	0.03460	0.38380	0.00800	0.00150	0.17
Annual Avg Flow =		0.00641	0.00805	0.02368	0.03409	0.38719	0.00795	0.00175	
Permitted Flow =		0.01500	0.01170	0.04000	0.07600	0.60000	0.00920	0.00360	

Eaglepointe

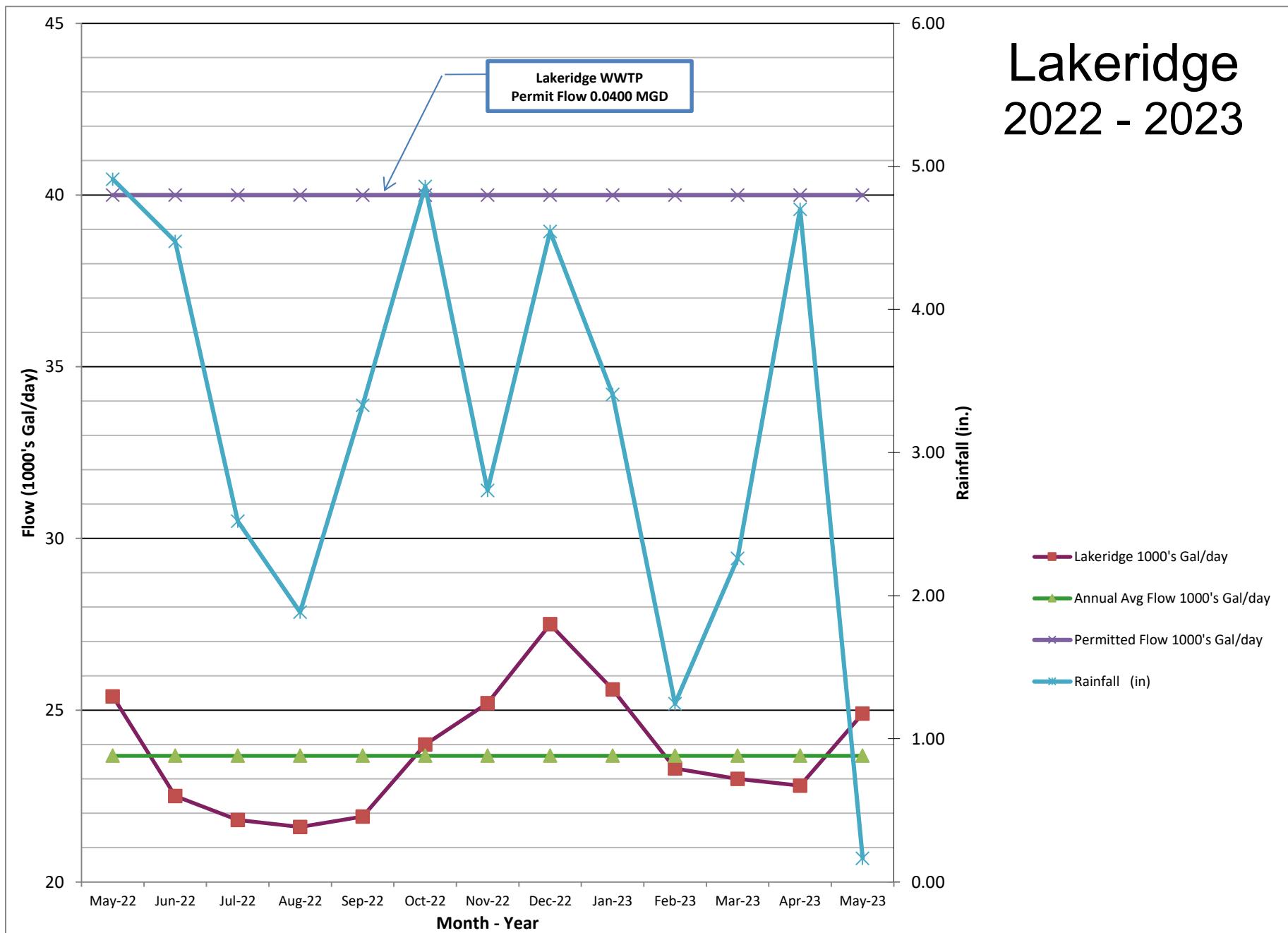
2022 - 2023



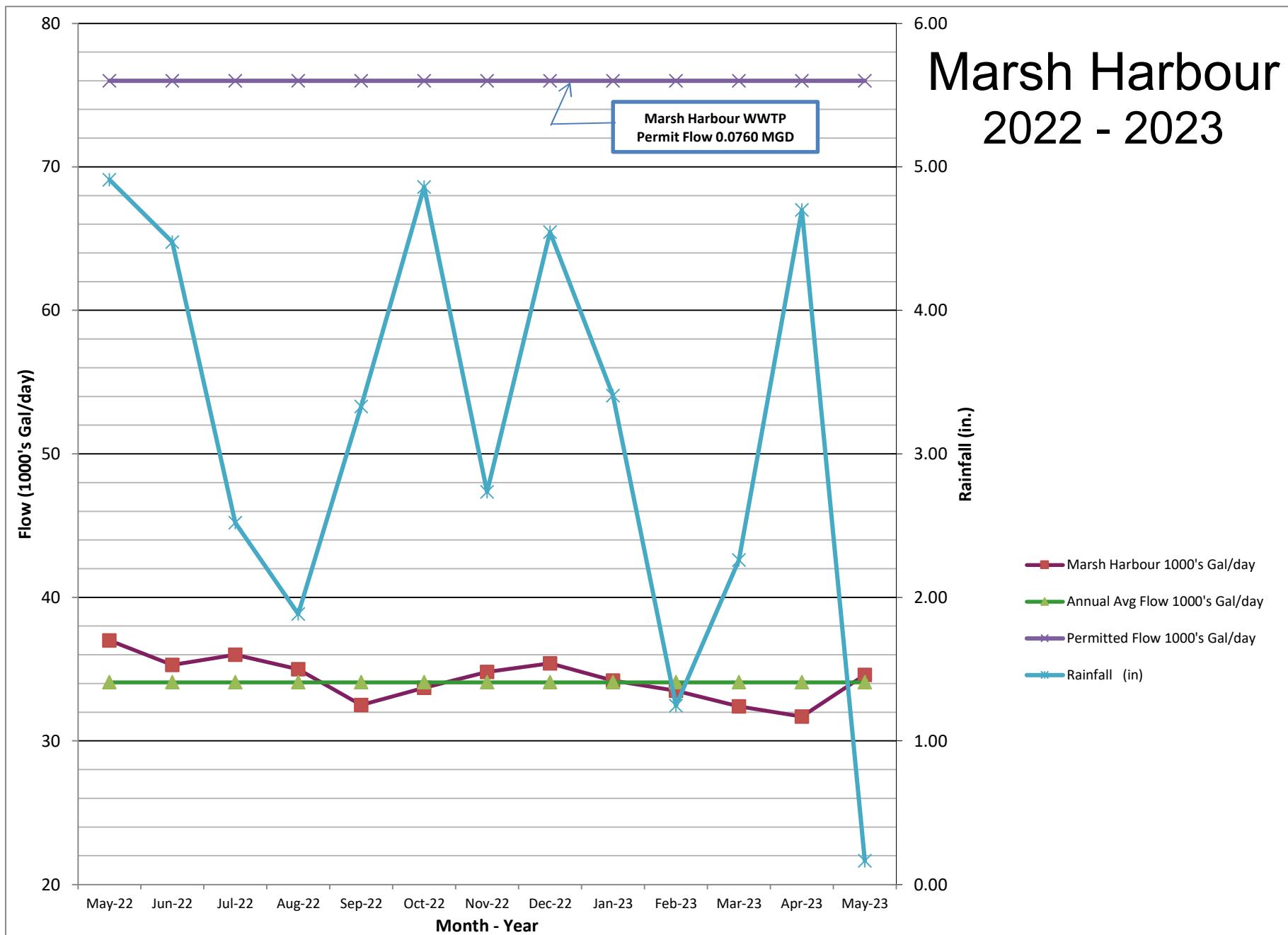
Greenridge 2022 - 2023



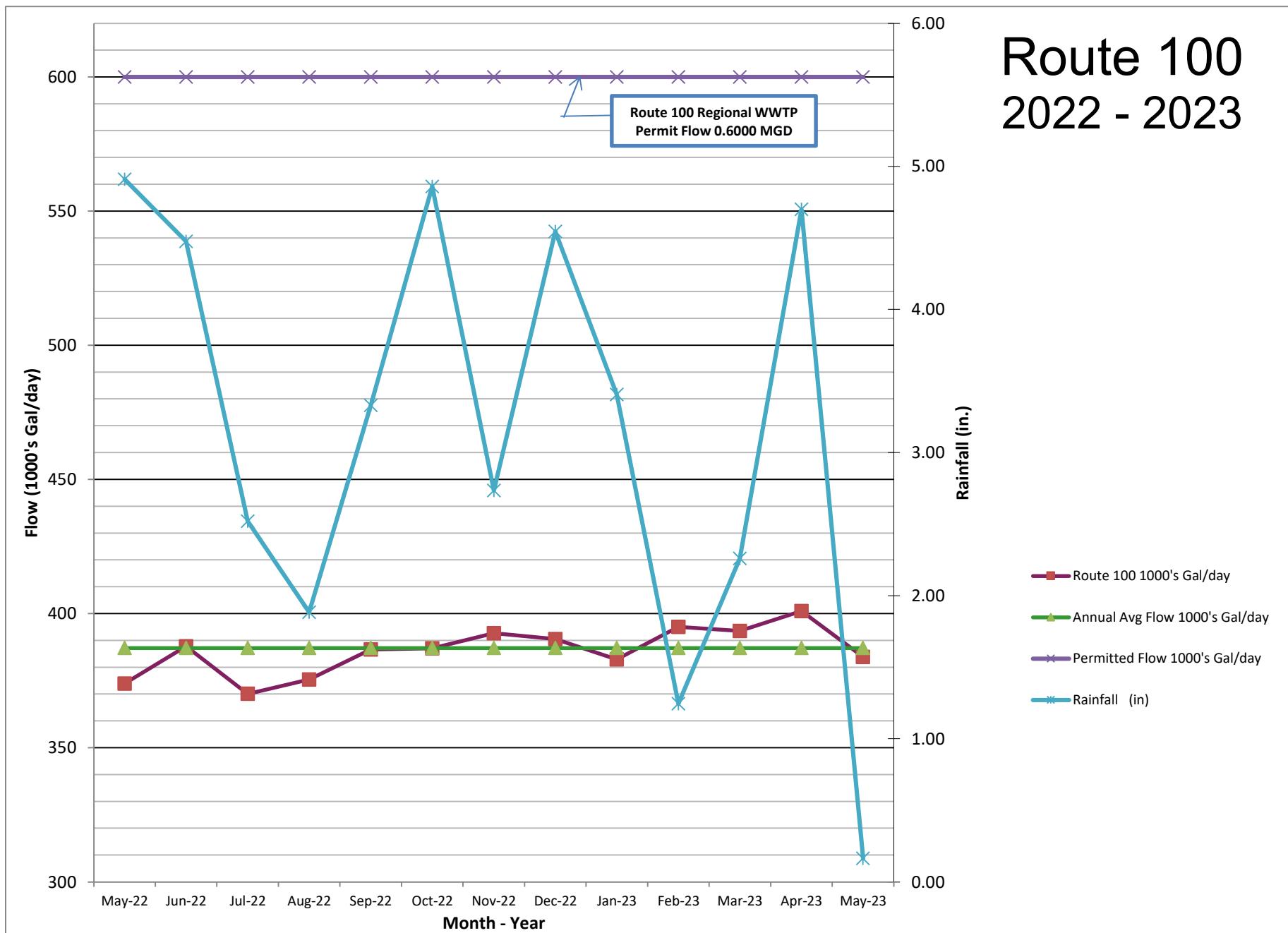
Lakeridge 2022 - 2023



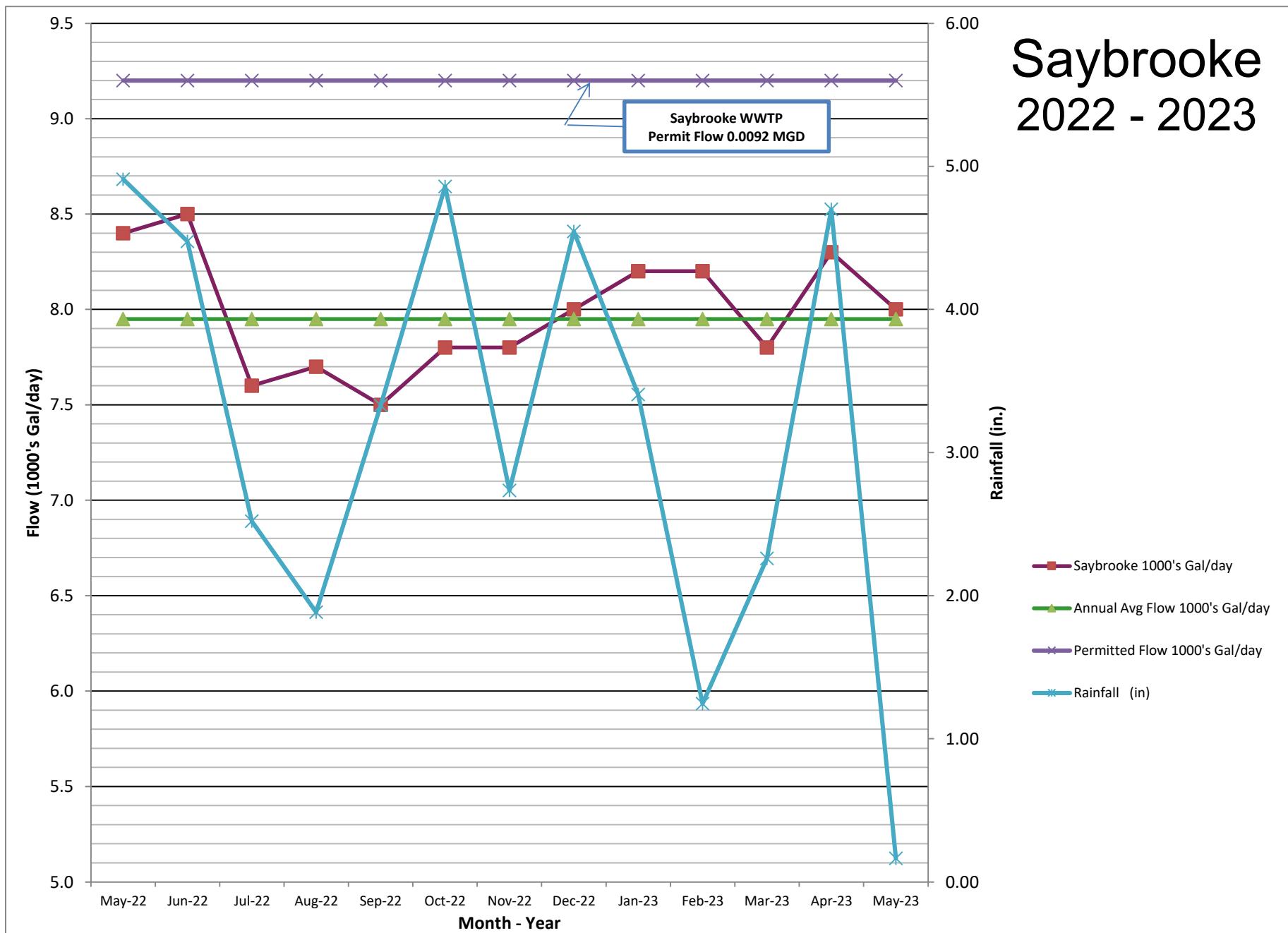
Marsh Harbour 2022 - 2023



Route 100 2022 - 2023

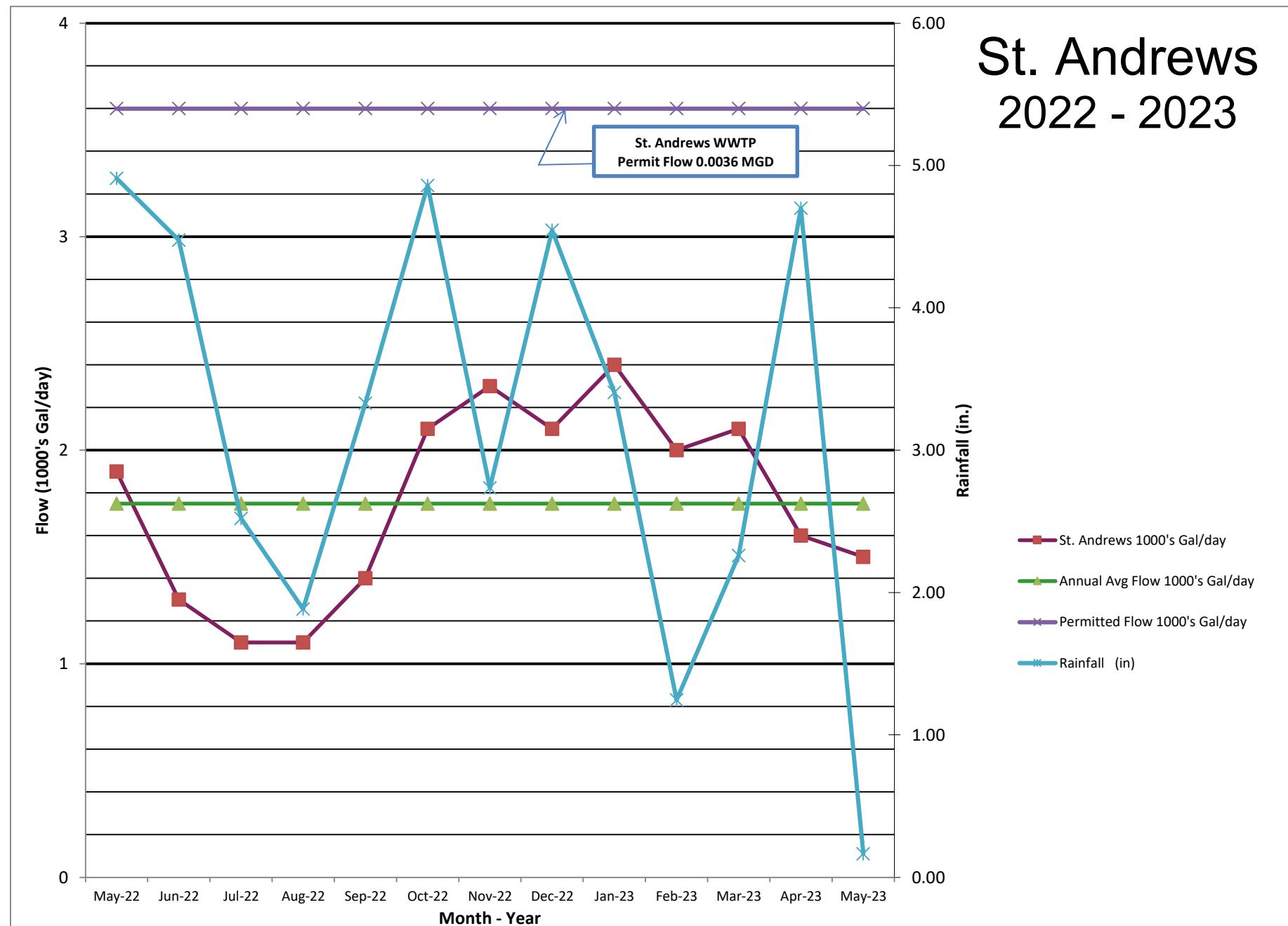


Saybrooke 2022 - 2023



St. Andrews

2022 - 2023





To: Municipal Authority Members
From: G. Matthew Brown, P.E., DEE
Re: Authority Administrator's Report
Date: June 23, 2023

Activities for the month of May include:

- A. Communication with WWTF Operator, ARRO, Solicitor and Township Staff regarding operational and maintenance issues. (46.0 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Communication with McKee, ARRO and the contractor regarding the upgrade to the Route 100 WWTF and the Upland Farms disposal infrastructure. (16.0 hours)
- D. Communication with ARRO and homeowners regarding the Meadow Creek sewer extension and grant funding. (2.0 hours)
- E. Communication with Township Manager, Township Engineer and property owner regarding the use of a parcel for disposal including review of a previous Phase I Review and completion of an updated version plus a Phase II. (2.0 hours)
- F. Communication with homeowners regarding sanitary sewer service on Meadow Creek Road and Font Road. (2.0 hours)
- G. Communication with homeowner regarding odor problem in the Stonehedge development including review with ARRO. (2.0 hours)

Please advise if you have any questions or comments.



MAY 2023 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.
- 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 (275 Fellowship Rd)
 - Site checked
 - Cleaned facility
 - Removed trash and cleaned bathroom
 - Two heaters in pump room need replaced
 - Floors mopped
 - Construction for the new tank is complete
 - Begin painting
- Byers Station Effluent Pump Station (PS) (1120 Sunderland)
 - Cleaned facility
 - Swept floors
- Byers Station Influent PS (308 Flagstone)
 - Cleaned facility
 - Site checked
- Ewing PS (2679 Primrose Court)
 - Cleaned facility
 - Floors swept

- **Ewing West Vincent PS (304 Fellowship)**
 - **Cleaned facility**
 - **Site checked**
 - **Phone line is dead, Verizon trouble call scheduled**
- **Eagle Hunt (422 Hemlock)**
 - **Site checked**
 - **Cleaned facility**
- **Windsor Ridge (10 Prospect Hill Blvd)**
 - **Cleaned facility**
 - **Site checked**
- **Saybrooke WWTP (29 Yarmouth Lane)**
 - **Site checked**
 - **Cleaned facility**
- **Seabury Pump Station (527 Saybrooke Lane)**
 - **Site checked**
 - **Cleaned facility**
- **Yarmouth PS1(51 A Yarmouth Lane)**
 - **Site checked**
- **Yarmouth PS2 (13 Yarmouth Lane)**
 - **Site checked**
- **St Andrews Brae (8 Kiloran Wynd)**
 - **Site checked**
 - **Cleaned facility**
- **St Andrews Brae PS (at St Andrews intersection)**
 - **Site checked**
- **Reserve Lagoon (314 A Prescott Dr)**
 - **Site checked**
 - **Cleaned facility**
- **Reserve at Eagle PS1 (199 Prescott)**
 - **Site checked**
 - **Cleaned facility**
 - **Phone line is dead, Verizon trouble call scheduled**
- **Reserve at Eagle PS 2 (439 Prescott)**
 - **Site checked**
 - **Cleaned facility**

- **Upland Farms PS (100 Darrell)**
 - Site checked
 - Cleaned facility
 - Roof discussed for replacement
- **Greenridge (711 Dorian Court)**
 - Cleaned facility
 - Site checked
- **Stonehedge (103 Indian Springs West)**
 - Site checked
 - Cleaned facility
 - Heater needs replaced
- **Marsh Harbour WWTP (2500 Mallard Lane)**
 - Site checked
 - Cleaned facility
- **Marsh Harbour PS (509A Larkins Bridge)**
 - Site checked
- **Meadowcreek (2 Meadow Creek Lane)**
 - Site checked
- **Eaglepointe (1960 Ticonderoga Blvd)**
 - Cleaned facility
 - Site checked
- **Heron Hill PS (34A Heron Hill)**
 - Site checked
- **Lakeridge WWTP (540 Walter Court)**
 - Cleaned facility
 - Site checked
- **Lakeridge Pump Station (201 Moore Road)**
 - Site checked
- **Eagle Farms Rd PS (West Vincent Township)**
 - Cleaned facility
 - Site checked
 - One heater needs replaced

- **Little Conestoga Rd (381 Little Conestoga Rd)**
 - Cleaned facility
 - Site checked
- **Eagle Manor PS (111 Dorothy Lane)**
 - Site checked
- **Garrison PS #1 (spray field pump station #1)**
 - Site checked
- **Garrison PS #2 (spray field pump station #2)**
 - Site checked
 - Removed trash and recycle
- Construction is complete at Route 100 WWTP.
- Lateral at 110 Cawley Ct. was cleaned and camera'd.
- Sites and properties are being mowed.
- Cameras at Route 100 WWTP are still down.
- Remodel process begun at Route 100 WWTP (painting / lighting).
- Verizon phone line dead at 304 Fellowship and 199 Prescott, trouble call scheduled.
- Planning for bio cleaning has started for Route 100, Walter Court and Marsh Harbour sewer plants along with other capital improvements.
- UUT responded to 102 PA 1-Call tickets during the month.
- Mouse traps have been set and replaced as needed
- Heaters are off - three heaters are in need of replacement.
- Tree and brush trimming along properties.
- All buildings are being pressure washed.

Respectfully submitted,

Craig Rowe
MA Facility Maintenance