



AGENDA

September 22, 2020
7:30 PM

LOCATION:

This meeting will be held **virtually**. Any member of the public interested in participating in the meeting should email the Township at tscheivert@upperuwchlan-pa.gov for a link and a password to join in the meeting. In order to minimize public exposure to COVID-19 and maintain social distancing, the meeting will be conducted via webinar. No attendance in-person will be allowed. If you require special accommodation, please call the Township office at 610-458-9400.

- I. Call to Order
- II. Approval of Minutes: August 25, 2020
- III. Approval of Payments: September 2020
- IV. Authority Administration Reports
 - A. Clean Water, Inc. Monthly Report
 - B. ARRO Consulting Monthly Report
 - C. Authority Administrator's Report
 - D. Public Works Department Report
- V. Open Session
- VI. Next Meeting Date: October 27, 2020 ~ 7:30 p.m.
Location: Will be announced on the website
- VII. Adjournment



MEETING MINUTES

August 25, 2020

7:30 PM

DRAFT

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

Call to Order

H. Harper, Chairman, called the meeting to order at 7:30 PM.

Approval of Minutes

Draft minutes of the July 28, 2020 meeting were presented. D. Carlson noted a memo he had forwarded to all Board members with a suggested change to the minutes. He then made a motion to approve the minutes with the suggested modification. W. Quinn seconded. It was so moved.

Approval of Payments

Following a brief discussion and questions, a motion was made by D. Carlson to approve the payments for August 2020 and the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. B. Watts seconded. It was so moved.

Authority Administration Reports

M. Brown noted that all facilities were operating well and within permit. He noted a grant for \$463,000 for the Byers Road sewer main project was approved by PA DCED. This brought the total of grant monies for Authority projects in 2020 to approximately \$500,000. He then requested the Board move to authorize the Chair and Vice-Chair to execute the grant documents. D. Carlson so moved; seconded by W. Quinn. The motion passed unanimously.

M. Brown noted that with the grant approval, the Authority could move forward with the bidding and construction process for the Byers Road sewer main installation. He asked the Board if a crossing of Route 100 (an extension of the planned project) could be included as part of the bidding documents to assess the cost. He stated that there would be an economy of scale and with the larger project being the catalyst, the price for construction may be favorable and the grant could then make it affordable should the Board choose to do the crossing. Following a brief discussion, D. Carlson moved;

seconded by W. Quinn to authorize the project for bidding with the Route 100 crossing. The motion passed unanimously.

M. Brown noted improvements regarding organic loading and the use of garbage disposals in the Lakeridge system following the public notification by the Authority. He said the levels are still higher than they should be and will continue to be monitored closely. M. Brown shared that the closing for 106 Heather Hill Drive occurred and the tapping fee paid. The new owner was anxious to connect to the public sewer as soon as possible.

M. Brown shared that Columbia Gas was performing maintenance on their pipeline along Darrell Drive. He noted the Township and ARRO were paying close attention to assure no equipment impeached the adjacent disposal fields.

M. Brown noted the status of the Sunoco pipeline and the effect on the Meadow Creek WWTF and collection system. He noted that the SFPM was soon to be submitted to get the project into the PADEP permitting queue.

Following several additional questions and a brief discussion on the reports, D. Carlson moved to accept the Reports as submitted. B. Watts seconded. It was so moved.

Open Session

No members of the public joined the virtual meeting.

Next Meeting Date: September 22, 2020 - 7:30 PM

H. Harper noted the date and time of the next meeting of the Authority. It was also noted it would be a virtual venue.

Adjournment

There being no further business to be brought before the Authority, D. Carlson moved, seconded by W. Quinn to adjourn the meeting at 8:10 PM.

Respectfully submitted,

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

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Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2282 to 2305
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
2282	09/22/20	21ST 21st CENTURY MEDIA PHILLY	144.42		2274
2283	09/22/20	ALSGROUP ALS GROUP USA, CORP	1,635.70		2274
2284	09/22/20	AQUAP010 AQUA PA	1,795.76		2274
2285	09/22/20	ARROC010 ARRO CONSULTING, INC.	41,477.75		2274
2286	09/22/20	ATTMOBIL AT & T MOBILITY	101.84		2274
2287	09/22/20	BLOOMGLE BLOOMING GLEN CONTRACTORS	43,838.54		2274
2288	09/22/20	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	61.25		2274
2289	09/22/20	CHRISFRA FRANTZ, CHRISTOPHER	172.00		2274
2290	09/22/20	CLEANWAT CLEAN WATER, INC.	6,455.00		2274
2291	09/22/20	COMMO015 COMMONWEALTH OF PENNSYLVANIA	100.00		2274
2292	09/22/20	EAGLHARD EAGLE HARDWARE	15.99		2274
2293	09/22/20	EDMUN010 EDMUNDS GOVTECH	1,329.90		2274
2294	09/22/20	HOPKINS HOPKINS & SCOTT, INC	4,250.00		2274
2295	09/22/20	MAPLEDIR MAPLE DIRECT INC	2,904.00		2274
2296	09/22/20	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	5,676.33		2274
2297	09/22/20	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,141.00		2274
2298	09/22/20	MSSER040 M & S SERVICE COMPANY, INC.	22,463.26		2274
2299	09/22/20	NAPA0010 NAPA	138.57		2274
2300	09/22/20	PECO0010 PECO ENERGY	16,291.61		2274
2301	09/22/20	PENNS080 PENNSYLVANIA ONE CALL	203.42		2274
2302	09/22/20	PRED0010 PREDOC	4,774.86		2274
2303	09/22/20	REILLYSI REILLY & SONS INC.	1,846.45		2274
2304	09/22/20	ROGERUHL ROGER UHLER	190.00		2274
2305	09/22/20	VERIZFIO VERIZON	1,058.36		2274

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	24	0	158,066.01	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	<u>24</u>	<u>0</u>	<u>158,066.01</u>	<u>0.00</u>

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Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: LHAINES Batch Type: C Batch Date: 09/22/20 Checking Account: MA MERIDIAN G/L Credit: Expenditure G/L Credit
Generate Direct Deposit: N

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item	Description			Description				
09/22/20 21ST 21st CENTURY MEDIA PHILLY										
20-01127	09/22/20	1	ma - financial statement	144.42	21ST CENTURY MEDIA - PHILLY CL	06-400-000-341	Expenditure	Aprv	1	1
					Advertising					
				144.42						
09/22/20 ALSGROUP ALS GROUP USA, CORP										
20-01128	09/22/20	1	ewing tract monitoring wells	968.10	P.O. BOX 975444	06-420-000-030	Expenditure	Aprv	2	1
					Testing					
20-01128	09/22/20	2	ewing tract monitoring wells	667.60	06-420-000-030	06-420-000-030	Expenditure	Aprv	3	1
					Testing					
				1,635.70						
09/22/20 AQUAP010 AQUA PA										
20-01150	09/22/20	1	119 prescott drive	18.22	PO BOX 70279	06-409-000-037	Expenditure	Aprv	79	1
					Water					
20-01150	09/22/20	2	439 prescott drive	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	80	1
					Water					
20-01150	09/22/20	3	100 prescott drive	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	81	1
					Water					
20-01150	09/22/20	4	meadow creek lane	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	82	1
					Water					
20-01150	09/22/20	5	308 flagstone road	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	83	1
					Water					
20-01150	09/22/20	6	1 prospect hill blvd	50.00	06-409-000-037	06-409-000-037	Expenditure	Aprv	84	1
					Water					
20-01150	09/22/20	7	325 fellowship road	1,500.00	06-409-000-037	06-409-000-037	Expenditure	Aprv	85	1
					Water					
20-01150	09/22/20	8	658 collingwood terrace	50.00	06-409-000-037	06-409-000-037	Expenditure	Aprv	86	1
					Water					
20-01150	09/22/20	9	241 fellowship road	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	87	1
					Water					
20-01150	09/22/20	10	29 yarmouth lane	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	88	1
					Water					
20-01150	09/22/20	11	425 hemlock lane	50.00	06-409-000-037	06-409-000-037	Expenditure	Aprv	89	1
					Water					
20-01150	09/22/20	12	26 primrose court	18.22	06-409-000-037	06-409-000-037	Expenditure	Aprv	90	1
					Water					
				1,795.76						
09/22/20 ARROC010 ARRO CONSULTING, INC.										
20-01129	09/22/20	1	project 17000.00 consulting	2,826.00	108 WEST AIRPORT ROAD	06-408-000-000	Expenditure	Aprv	4	1
					Engineering Fees					
20-01129	09/22/20	2	project 9310.32 ww sys admin	11,623.25	06-400-000-002	06-400-000-002	Expenditure	Aprv	5	1
					Authority Administrator					
20-01129	09/22/20	3	project 10270.48 byers road	3,489.25	06-408-000-000	06-408-000-000	Expenditure	Aprv	6	1
					Engineering Fees					
20-01129	09/22/20	4	project 10270.53 lakeridge	1,026.50	06-408-000-000	06-408-000-000	Expenditure	Aprv	7	1
					Engineering Fees					
20-01129	09/22/20	5	project 10270.64 milford farms	3,595.00	06-408-000-000	06-408-000-000	Expenditure	Aprv	8	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
20-01129	09/22/20	6 project 10270.71 act 537 plan	3,917.00	Engineering Fees 06-408-000-000	Expenditure	Aprv	9	1
20-01129	09/22/20	7 project 10270.72 greenridge ww	8,464.25	Engineering Fees 06-408-000-000	Expenditure	Aprv	10	1
20-01129	09/22/20	8 project 10270.73 eaglepointe	1,272.25	Engineering Fees 06-408-000-000	Expenditure	Aprv	11	1
20-01129	09/22/20	9 project 10270.74 route 100 ww	5,264.25	Engineering Fees 06-408-000-000	Expenditure	Aprv	12	1
			41,477.75	Engineering Fees				
20-01130	09/22/20	1 pump station phones/cell/ipad	101.84	PO BOX 6463 06-409-000-032 Telephone	Expenditure	Aprv	13	1
			101.84					
20-01131	09/22/20	1 lakeridge, pay app #10 - final	43,838.54	901 MINSI TRAIL 06-483-000-000 Capital Repair	Expenditure	Aprv	14	1
			43,838.54					
20-01132	09/22/20	1 august - sewer collections	61.25	118 W. MARKET STREET 06-404-000-000 Legal Fees	Expenditure	Aprv	15	1
			61.25					
20-01134	09/22/20	1 august-general representation	172.00	PO BOX 557 06-404-000-000 Legal Fees	Expenditure	Aprv	17	1
			172.00					
20-01133	09/22/20	1 monthly operations	6,455.00	170 DALLAS STREET 06-420-000-045 Contracted Services	Expenditure	Aprv	16	1
			6,455.00					
20-01146	09/22/20	1 permit 3030366000	100.00	06-420-000-035 Permits	Expenditure	Aprv	68	1
			100.00					
20-01136	09/22/20	1 ma - cement weld kit	15.99	06-420-000-020 Supplies	Expenditure	Aprv	19	1
			15.99					
20-01135	09/22/20	1 q3 sewer invoice service	1,329.90	301 TILTON ROAD 06-406-000-100 Utility Billing Costs	Expenditure	Aprv	18	1
			1,329.90					
	09/22/20	HOPKINS HOPKINS & SCOTT, INC		207 FRANKLIN AVENUE				

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
20-01137	09/22/20	1 upland farms pump station	4,250.00	06-420-000-045 Contracted Services	Expenditure	Aprv	20	1
			<u>4,250.00</u>					
	09/22/20	MAPLEDIR MAPLE DIRECT INC		2349 HADDONFIELD ROAD				
20-01138	09/22/20	1 q4 sewer billing postage	1,452.00	06-406-000-100 Utility Billing Costs	Expenditure	Aprv	21	1
20-01140	09/22/20	1 q4 sewer billing - postage	1,452.00	06-406-000-100 Utility Billing Costs	Expenditure	Aprv	41	1
			<u>2,904.00</u>					
	09/22/20	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC		920 SOUTH BOLMAR STREET				
20-01139	09/22/20	1 eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	Aprv	22	1
20-01139	09/22/20	2 eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	Aprv	23	1
20-01139	09/22/20	3 eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	Aprv	24	1
20-01139	09/22/20	4 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	25	1
20-01139	09/22/20	5 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	26	1
20-01139	09/22/20	6 route 100 wwtp	1,037.32	06-420-000-031 Pump & Haul	Expenditure	Aprv	27	1
20-01139	09/22/20	7 route 100 wwtp	2,585.19	06-420-000-031 Pump & Haul	Expenditure	Aprv	28	1
20-01139	09/22/20	8 route 100 wwtp	526.76	06-420-000-031 Pump & Haul	Expenditure	Aprv	29	1
20-01139	09/22/20	9 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	30	1
20-01139	09/22/20	10 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	31	1
20-01139	09/22/20	11 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	32	1
20-01139	09/22/20	12 windsor ridge pump station	756.84	06-420-000-031 Pump & Haul	Expenditure	Aprv	33	1
20-01139	09/22/20	13 windsor ridge pump station	1,574.49	06-420-000-031 Pump & Haul	Expenditure	Aprv	34	1
20-01139	09/22/20	14 marsh harbor	985.84	06-420-000-031 Pump & Haul	Expenditure	Aprv	35	1
20-01139	09/22/20	15 lakeridge	565.37	06-420-000-031 Pump & Haul	Expenditure	Aprv	36	1
20-01139	09/22/20	16 overpayment - credit	493.29-	06-420-000-031 Pump & Haul	Expenditure	Aprv	37	1
20-01139	09/22/20	17 overpayment - credit	53.67-	06-420-000-031 Pump & Haul	Expenditure	Aprv	38	1
20-01139	09/22/20	18 overpayment - credit	3,058.84-	06-420-000-031 Pump & Haul	Expenditure	Aprv	39	1
20-01139	09/22/20	19 overpayment - credit	351.90-	06-420-000-031 Pump & Haul	Expenditure	Aprv	40	1
			<u>5,676.33</u>					

Upper Uwchlan Township
Check Payment Batch Verification Listing

Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
09/22/20 MJREIDER M. J. REIDER ASSOCIATES, INC. 107 ANGELICA STREET								
20-01142	09/22/20	1 st. andrews brae	77.00	06-420-000-030 Testing	Expenditure	Aprv	46	1
20-01142	09/22/20	2 saybrooke	42.00	06-420-000-030 Testing	Expenditure	Aprv	47	1
20-01142	09/22/20	3 lakeridge	108.50	06-420-000-030 Testing	Expenditure	Aprv	48	1
20-01142	09/22/20	4 marsh harbor	122.50	06-420-000-030 Testing	Expenditure	Aprv	49	1
20-01142	09/22/20	5 greenridge	108.50	06-420-000-030 Testing	Expenditure	Aprv	50	1
20-01142	09/22/20	6 saybrooke	77.00	06-420-000-030 Testing	Expenditure	Aprv	51	1
20-01142	09/22/20	7 reserve,eagle hunt,byers,ewing	56.00	06-420-000-030 Testing	Expenditure	Aprv	52	1
20-01142	09/22/20	8 saybrooke	31.50	06-420-000-030 Testing	Expenditure	Aprv	53	1
20-01142	09/22/20	9 eaglepointe	150.50	06-420-000-030 Testing	Expenditure	Aprv	54	1
20-01142	09/22/20	10 rt 100 wwtp	108.50	06-420-000-030 Testing	Expenditure	Aprv	55	1
20-01142	09/22/20	11 st. andrews	150.50	06-420-000-030 Testing	Expenditure	Aprv	56	1
20-01142	09/22/20	12 st. andrews	108.50	06-420-000-030 Testing	Expenditure	Aprv	57	1
			1,141.00					
09/22/20 MSSER040 M & S SERVICE COMPANY, INC. 1220 VALLEY FORGE ROAD #16								
20-01141	09/22/20	1 byers ps & rt 100 ps repairs	1,462.50	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	42	1
20-01141	09/22/20	2 rt 100 ps repairs	1,802.76	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	43	1
20-01141	09/22/20	3 byers ps repairs	18,925.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	44	1
20-01141	09/22/20	4 byers ps repairs	273.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	45	1
			22,463.26					
09/22/20 NAPA0010 NAPA PO BOX 461								
20-01143	09/22/20	1 ma - fhp/belt	39.12	06-420-000-020 Supplies	Expenditure	Aprv	58	1
20-01143	09/22/20	2 ma - fhp/belt	19.56	06-420-000-020 Supplies	Expenditure	Aprv	59	1
20-01143	09/22/20	3 ma - fhp/belt	52.85	06-420-000-020 Supplies	Expenditure	Aprv	60	1
20-01143	09/22/20	4 ma - fhp/belt	10.57	06-420-000-020 Supplies	Expenditure	Aprv	61	1
20-01143	09/22/20	5 ma - bit skt	16.47	06-420-000-020 Supplies	Expenditure	Aprv	62	1
			138.57					
09/22/20 PEC00010 PECO ENERGY SUMMARY BILL PROCESSING CENTER								

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
20-01151	09/22/20	1 304 fellowship road	99.46	06-409-000-036 Electric	Expenditure	Aprv	91	1
20-01151	09/22/20	2 2500 eagle farms road	745.56	06-409-000-036 Electric	Expenditure	Aprv	92	1
20-01151	09/22/20	3 seabury lane	32.39	06-409-000-036 Electric	Expenditure	Aprv	93	1
20-01151	09/22/20	4 primrose court	1,065.39	06-409-000-036 Electric	Expenditure	Aprv	94	1
20-01151	09/22/20	5 100a prescott drive	321.79	06-409-000-036 Electric	Expenditure	Aprv	95	1
20-01151	09/22/20	6 meadow creek lane	30.16	06-409-000-036 Electric	Expenditure	Aprv	96	1
20-01151	09/22/20	7 301 pottstown pike	102.31	06-409-000-036 Electric	Expenditure	Aprv	97	1
20-01151	09/22/20	8 kristines/milford	93.58	06-409-000-036 Electric	Expenditure	Aprv	98	1
20-01151	09/22/20	9 711 dorian road	300.50	06-409-000-036 Electric	Expenditure	Aprv	99	1
20-01151	09/22/20	10 111 dorothy lane	78.44	06-409-000-036 Electric	Expenditure	Aprv	100	1
20-01151	09/22/20	11 dorlan drive	1,491.55	06-409-000-036 Electric	Expenditure	Aprv	101	1
20-01151	09/22/20	12 381 lcr	162.25	06-409-000-036 Electric	Expenditure	Aprv	102	1
20-01151	09/22/20	13 milford road	28.76	06-409-000-036 Electric	Expenditure	Aprv	103	1
20-01151	09/22/20	14 st. andrews road	34.88	06-409-000-036 Electric	Expenditure	Aprv	104	1
20-01151	09/22/20	15 park road	1,493.54	06-409-000-036 Electric	Expenditure	Aprv	105	1
20-01151	09/22/20	16 55 pottstown pike	623.80	06-409-000-036 Electric	Expenditure	Aprv	106	1
20-01151	09/22/20	17 yarmouth lane	317.48	06-409-000-036 Electric	Expenditure	Aprv	107	1
20-01151	09/22/20	18 sunderland ave	2,242.77	06-409-000-036 Electric	Expenditure	Aprv	108	1
20-01151	09/22/20	19 kiloran wynd drive	225.48	06-409-000-036 Electric	Expenditure	Aprv	109	1
20-01151	09/22/20	20 flagstone road	719.44	06-409-000-036 Electric	Expenditure	Aprv	110	1
20-01151	09/22/20	21 yarmouth lane	34.53	06-409-000-036 Electric	Expenditure	Aprv	111	1
20-01151	09/22/20	22 140 pottstown pike	154.32	06-409-000-036 Electric	Expenditure	Aprv	112	1
20-01151	09/22/20	23 275 fellowship road	4,779.27	06-409-000-036 Electric	Expenditure	Aprv	113	1
20-01151	09/22/20	24 heron hill drive	118.45	06-409-000-036 Electric	Expenditure	Aprv	114	1
20-01151	09/22/20	25 indian springs drive	75.26	06-409-000-036 Electric	Expenditure	Aprv	115	1
20-01151	09/22/20	26 yarmouth lane	91.07	06-409-000-036 Electric	Expenditure	Aprv	116	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
20-01151	09/22/20	27 hemlock lane	74.82	06-409-000-036 Electric	Expenditure	Aprv	117	1
20-01151	09/22/20	28 fellowship road	754.36	06-409-000-036 Electric	Expenditure	Aprv	118	1
			<u>16,291.61</u>					
09/22/20 PENNS080 PENNSYLVANIA ONE CALL				P.O. BOX 640407				
20-01145	09/22/20	1 monthly activity	203.42	06-420-000-329 PA One Call	Expenditure	Aprv	67	1
			<u>203.42</u>					
09/22/20 PREDO010 PREDOC				14 CHRISEVYN LANE				
20-01144	09/22/20	1 power outage - emergency pumps	2,550.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	63	1
20-01144	09/22/20	2 19 yarmouth -pump float repair	400.34	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	64	1
20-01144	09/22/20	3 52 yarmouth- pump float repair	1,254.52	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	65	1
20-01144	09/22/20	4 st. andrews ps - pump jam	570.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	66	1
			<u>4,774.86</u>					
09/22/20 REILLYSI REILLY & SONS INC.				P.O. BOX 183				
20-01147	09/22/20	1 rt 100 plant	890.73	06-420-000-023 Propane	Expenditure	Aprv	69	1
20-01147	09/22/20	2 ewing/fellowship	61.03	06-420-000-023 Propane	Expenditure	Aprv	70	1
20-01147	09/22/20	3 windsor ridge	152.08	06-420-000-023 Propane	Expenditure	Aprv	71	1
20-01147	09/22/20	4 ewing tract	84.12	06-420-000-023 Propane	Expenditure	Aprv	72	1
20-01147	09/22/20	5 byers station	254.02	06-420-000-023 Propane	Expenditure	Aprv	73	1
20-01147	09/22/20	6 reserve	46.19	06-420-000-023 Propane	Expenditure	Aprv	74	1
20-01147	09/22/20	7 reserve	49.49	06-420-000-023 Propane	Expenditure	Aprv	75	1
20-01147	09/22/20	8 lakeridge	308.79	06-420-000-023 Propane	Expenditure	Aprv	76	1
			<u>1,846.45</u>					
09/22/20 ROGERUHL ROGER UHLER				PO BOX 318				
20-01148	09/22/20	1 overpayment - sewer refund	190.00	06-495-000-000 Expense Reclass	Expenditure	Aprv	77	1
			<u>190.00</u>					
09/22/20 VERIZFIO VERIZON				PO BOX 15124				
20-01149	09/22/20	1 september - telephone	1,058.36	06-409-000-032 Telephone	Expenditure	Aprv	78	1
			<u>1,058.36</u>					

September 21, 2020
11:36 AM

Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 7

Check No.	Check Date	Vendor #	Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item	Description		Description					

Checks:	<u>Count</u>	<u>Line</u>	<u>Items</u>	<u>Amount</u>
	24		118	158,066.01

There are NO errors or warnings in this listing.

Upper Uwchlan Township Municipal Authority
Balance Sheet
As of August 31, 2020

ASSETS

	<u>Cash</u>		
06-100-000-010	General Checking - Fulton Bank	\$	160,349.61
06-100-000-015	General Checking - Meridian Bank		325,802.62
06-100-000-020	General Checking - WIPP		333,897.25
06-106-000-002	Connection Fee Account		400,507.91
06-110-000-100	Fulton Bank Bond Proceeds - ICS		-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA		5,356,217.49
	Total Cash		6,576,774.88

	<u>PSDLAF Investments:</u>		
06-109-000-003	CD Program		-
06-109-000-004	Full Flex		188.21
			<u>188.21</u>
	Total Investments		188.21

	<u>Accounts Receivable</u>		
06-145-000-001	Usage Fees Receivable		236,887.38
06-145-000-002	Capital Assessment Receivable		
06-147-000-000	Misc Accounts Receivable		546.00
	Total Accounts Receivable		237,433.38

	<u>Other Current Assets</u>		
06-130-000-001	Due from MA Capital Fund		-
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		2,083.52
06-130-000-005	Due from Stormwater Fund		-
06-130-000-006	Due from Sewer Fund		-
06-152-000-000	Undeposited Funds		-
06-155-000-000	Pre-Paid Expenses		-
06-155-000-010	Pre-Paid Attorney Fees		-
	Total Other Current Assets		2,083.52

	<u>Fixed Assets</u>		
06-162-000-001	Fixed Assets		1,806,280.72
06-162-000-050	Accumulated Depreciation		(503,893.76)
06-163-000-100	Phase II Construction Project (CIP)		851,304.48
	Total Fixed Assets		2,153,691.44

	<u>Other Long Term Assets</u>		
06-162-000-002	Excess Treatment Capacity		1,649,293.24
	Total Other Long Term Assets		1,649,293.24

	Total Assets	\$	10,619,464.67
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Upper Uwchlan Township Municipal Authority
Balance Sheet
As of August 31, 2020

LIABILITIES AND FUND BALANCE

<u>Current Liabilities</u>		
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	45,636.84
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	11,418.40
06-230-000-040	Due to Water Resource Protection Fund	-
06-230-000-050	Due to Sewer Fund	-
06-230-000-060	Due to Developer's Escrow Fund	-
06-230-000-070	Due to UUT Sewer Fund - 2019 Bonds	5,205,556.07
06-240-000-000	Accrued Expenses	41,477.75
06-241-000-100	Retainage on Phase II Construction Project	22,861.00
06-245-000-000	Due to Customers	275.00
	Total Current Liabilities	5,327,225.06
<u>Equity</u>		
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	4,030,991.66
	Current Period Net Income (Loss)	507,747.60
	Total Equity	5,292,239.61
	Total Fund Balance	5,292,239.61
	Total Liabilities & Fund Balance	\$ 10,619,464.67

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

For the Period Ended August 31, 2020

	Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(Audited)</i>	Budget 2019
<u>REVENUES</u>					
06-340-000-000 Interest Income	32,839.78	80,000.00	41.0%	143,373.00	15,000.00
06-365-000-000 Usage Fees Residential	1,620,149.28	2,293,851.00	70.6%	2,197,145.00	2,139,571.00
06-365-000-001 Usage Fees Commercial	71,169.80	-	#DIV/0!	121,234.00	100,000.00
06-365-000-010 Connection Fees	51,570.72	1,622,250.00	3.2%	25,875.00	2,543,000.00
06-370-000-000 Misc revenue	6,348.00	1,000.00	634.8%	-	1,000.00
06-393-000-100 Proceeds from Long Tern Debt	-	-	#DIV/0!	-	5,393,221.00
06-395-000-000 Refund of Prior Year Expenditures	-	-	#DIV/0!	-	-
06-395-000-100 Transfer from Sewer Fund	-	-	#DIV/0!	-	-
TOTAL REVENUES	\$ 1,782,077.58	\$ 3,997,101.00	44.6%	\$ 2,487,627.00	\$ 10,191,792.00
<u>EXPENDITURES</u>					
<u>General:</u>					
06-400-000-001 Administration	166,092.81	273,821.00	60.7%	270,080.00	241,246.00
06-400-000-002 Authority Administrator	88,382.14	120,000.00	73.7%	128,347.00	120,000.00
06-400-000-003 Professional Fees	-	12,000.00	0.0%	-	12,000.00
06-400-000-200 Admin Supplies	-	1,000.00	0.0%	150.00	1,000.00
06-400-000-341 Advertising	1,155.03	5,000.00	23.1%	150.00	5,000.00
06-400-000-352 Insurance - Liability	3,083.97	5,370.00	57.4%	3,575.00	5,545.00
06-400-000-355 Bank Fees	89.00	650.00	13.7%	319.00	650.00
06-402-000-450 Audit Fees	4,300.00	5,450.00	78.9%	5,550.00	5,450.00
06-404-000-000 Legal Fees	4,146.25	25,000.00	16.6%	16,663.00	20,800.00
06-406-000-100 Utility Billing Costs	8,298.63	12,000.00	0.0%	12,217.00	10,000.00
06-408-000-000 Engineering Fees	301,809.42	175,000.00	172.5%	207,307.00	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	577,357.25	635,291.00	90.9%	644,358.00	571,691.00
<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	10,335.19	15,000.00	68.9%	14,513.00	15,000.00
06-409-000-035 Insurance	9,251.88	11,078.00	83.5%	10,726.00	8,756.00
06-409-000-036 Electric	125,259.55	250,000.00	50.1%	233,860.00	250,000.00
06-409-000-037 Water	7,767.16	20,000.00	38.8%	19,150.00	25,000.00
06-409-000-052 Bldg Maint & Repair	-	10,000.00	0.0%	-	10,000.00
06-409-000-260 Building Supplies & Small Tools	-	15,000.00	0.0%	16,011.00	5,000.00
06-409-000-427 Waste Disposal	-	-	#DIV/0!	250.00	-
	152,613.78	326,078.00	46.8%	294,510.00	318,756.00
<u>Operations:</u>					
06-420-000-020 Supplies	5,631.40	50,000.00	11.3%	51,258.00	20,000.00
06-420-000-022 Chemicals	8,096.12	15,000.00	54.0%	9,539.00	15,000.00
06-420-000-023 Propane and Fuel Oil	992.61	5,000.00	19.9%	1,152.00	5,000.00
06-420-000-025 Maintenance & Repair	93,444.33	120,000.00	77.9%	110,708.00	120,000.00
06-420-000-030 Testing	22,971.70	35,000.00	65.6%	39,736.00	40,000.00
06-420-000-031 Pump & Haul	66,447.54	50,000.00	132.9%	70,632.00	50,000.00
06-420-000-032 Vegetation Management	5,895.00	20,000.00	29.5%	18,056.00	20,000.00
06-420-000-035 Permits	1,778.00	5,000.00	35.6%	2,616.00	5,000.00
06-420-000-042 Dues and Memberships	75.00	-	#DIV/0!	10.00	2,500.00
06-420-000-045 Contracted Services	117,951.50	150,000.00	78.6%	156,978.00	135,000.00
06-420-000-048 Misc expenses	289.00	10,000.00	2.9%	1,488.00	10,000.00
06-420-000-235 Vehicle Maintenance	-	2,000.00	0.0%	39.00	2,000.00
06-420-000-329 PA One Call	1,176.10	2,500.00	47.0%	1,254.00	2,500.00
	324,748.30	464,500.00	69.9%	463,466.00	427,000.00

Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures

For the Period Ended August 31, 2020
(Continued)

		Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(Audited)</i>	Budget 2019
	<u>Capital:</u>					
06-483-000-000	Capital Repair	50,819.99	50,000.00	101.6%	20,113.00	50,000.00
06-483-000-100	Capital Construction	-	1,500,000.00	0.0%	-	1,500,000.00
06-493-000-083	Depreciation	-	100,000.00	0.0%	101,079.00	50,000.00
		<u>50,819.99</u>	<u>1,650,000.00</u>	<u>3.1%</u>	<u>121,192.00</u>	<u>1,600,000.00</u>
Total Expenditures before Operations Agreement and Transfers		\$ 1,105,539.32	\$ 3,075,869.00	35.9%	\$ 1,523,526.00	\$ 2,917,447.00
Net Income before Operations Agreement and Transfers		\$ 676,538.26	\$ 921,232.00	73.4%	964,101.00	7,274,345.00
	<u>Other:</u>					
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	#DIV/0!	280,631.00	369,213.00
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	103,660.91	237,494.00	43.6%	190,062.00	190,681.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	65,129.75	335,300.00	19.4%	48,198.00	-
		<u>168,790.66</u>	<u>572,794.00</u>	<u>29.5%</u>	<u>518,891.00</u>	<u>559,894.00</u>
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!	-	-
		<u>-</u>	<u>-</u>	<u>#DIV/0!</u>	<u>-</u>	<u>-</u>
TOTAL EXPENDITURES		\$ 1,274,329.98	\$ 3,648,663.00	34.9%	\$ 2,042,417.00	\$ 3,477,341.00
OPERATING INCOME		\$ 507,747.60	\$ 348,438.00	145.7%	\$ 445,210.00	\$ 6,714,451.00

Upper Uwchlan Township Municipal Authority
Sewer Billings

Month to Month Change in Receivables and Collections

	August 2020	July 2020	Change
Beginning Receivable Balance	236,887.38	236,887.38	-
<u>Billings:</u>			
Calculated charges billed	1,780,914.53	1,780,426.45	488.08
Billing adjustments			-
Late payment penalty	33,979.86	56,047.49	(22,067.63)
Adjustments		-	-
	<u>2,051,781.77</u>	<u>2,073,361.32</u>	<u>(21,579.55)</u>
<u>Less:</u>			
Collections*	1,782,820.03	1,312,171.58	(470,648.45)
 Receivable balance, month end	 <u><u>268,961.74</u></u>	 <u><u>761,189.74</u></u>	 <u><u>449,068.90</u></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)

	8/31/2019	1/31/2020	2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020	7/31/2020	8/31/2020
Number of delinquent accounts	207	105	172	134	291	99	160	138	194
Total delinquent balance	224,917	\$ 156,809	\$ 191,914	\$ 187,096	\$ 266,648	\$ 161,092	\$ 213,938	\$ 184,455	\$ 225,306

2020 Payment Schedule

	<u>Bills Mailed</u>	<u>Payment Due</u>
First quarter	1/31/2020	3/2/2020
Second quarter	4/30/2020	5/31/2020
Third quarter	7/31/2020	8/31/2020
Fourth quarter	10/31/2020	11/30/2020

Clean Water, Inc.

170 Dallas St.
Box 475
Atglen, Pa. 19310

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

September 16, 2020

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

RE: Report for the September meeting

Dear Authority,

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

Route 100

We continue to spray and drip as permitted. We have been delayed in getting second cuts going due to weather. I do expect the Ferncroft field and Byers to be cut very soon as weather looks favorable. Ewing West Vincent is getting cut next week. The number one influent pump at the Route 100 plant isn't holding prime. Both Predoc and I suspect it is the tolerances of the impellers that are compromised. The Gayle Corporation will be out to check out. We also had the number two pump motor fault. It has been sent to Deckmans for evaluation. The SBR motor blower at Route 100 soft start failed. It was replaced. The UPS back up power supply for the Aqua panel also failed. M and S services replaced these units. M and S was also out to the Byers influent station to calibrate the transducer. McGovern cleaned the Windsor Ridge influent station.

Eaglepointe

Plant is running well. Thanks to the PW Dept for putting some stone down in an effort to manage storm runoff mentioned last month.

Marsh Harbour

Plant is running fine. Spray continues, the lagoon levels are lowering nicely. McGovern cleaned the influent station.

Lakeridge

Plant is running fine. McGovern cleaned the influent station on Moore Road.

Saybrooke

Facility is running fine. Predoc addressed all of the issues mentioned last month at the remote stations.

Greenridge

Drip continues. Lagoon levels are fine. I added another round of Aqua Shade for algae control.

St. Andrews

Plant is running fine. Inks Disposal was out to do some routine cleaning. No other operational issues were noted.

Reilly and Sons filled all of the generators with fuel.

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

Respectfully,

Brian Norris



350 West Main Street
Suite 200
Trappe, PA 19426
T 610.495.0303
F 610.495.5855

MEMORANDUM

TO: Upper Uwchlan Township Municipal Authority

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

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: September 16, 2020

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

Byers Station

Village at Byers Station (5C), Lot #1 Townhouse Parcel: The Village at Byers Station (Parcel 5C) pre-construction meeting was held on October 18, 2017. Construction is expected to start within three weeks. The Village at Byers Station (Parcel 5C) site contractor, by email dated November 14, 2017, started submitting its sanitary sewer shop drawing submittals. ARRO reviewed and commented on the submittals. Brubacher Excavating started sanitary sewer installation work on January 4, 2018. The Village of Byers Station (5C) sanitary sewer installation work continues through February 2018, approximately 40% of the sewer mains and laterals have been installed. Sanitary sewer installation work continues through March 2018. As of mid-April 2018, all sanitary sewer mains and laterals have been installed and air tested, while 75 percent of the sewer mains have also passed deflection testing. As of mid-May 2018, all sanitary sewer mains have passed pressure and deflection testing and only manhole vacuum testing remains to be done after base paving is completed. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. ARRO approved escrow release No. 1 in the amount of \$302,330.01 by letter dated September 6, 2018. Installation of the gravity house service line to each new townhouse began on September 13, 2018. ARRO reviewed the sanitary sewer videos submitted by Toll Brothers on October 19, 2018. The pipe is in good condition with only minor debris in a few runs that need to be flushed and cleaned. ARRO emailed Toll Brothers on November 2, 2018 with a list of the runs that needed cleaned.

Installation of the gravity house service line to each new townhouse will continue.

Village at Byers Station (5C), Lot #2 Commercial Parcel: ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFPM) package. The Developer's engineer submitted a 9,025 gpd sanitary sewer capacity request at the Route 100 WWTP facility. ARRO reviewed the Amended Final PRD Plans submitted by Bohler Engineering and prepared a February 27, 2018 letter to the Township with comments to the Plans. Sewage Facilities Planning Modules were sent to PADEP on April 18, 2018. ARRO reviewed Amended Final PRD Plans, last revised May 7, 2018, and submitted a May 30, 2018 letter to the Township containing comments to the Plans. Additional revised Plans were submitted on July 12, 2018 and are currently under review. The PADEP SFPM approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course

paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019 comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors meeting it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. The Authority Administrator sent a December 9, 2019 letter to PADEP with responses to comments contained in the October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020 letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project.

Nothing new to report.

Byers Station (6C), Vantage Point–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.

Nothing new to report.

Eagle Hunt

Nothing new to report.

Eaglepointe

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

Nothing new to report.

Liberty Union Bar & Grille: Liberty Union effluent was tested and BOD, fat & oil and nitrogen results were found to be higher than the Non-Residential Waste Discharge (NRWD) resolution limits. A November 13, 2017 letter was sent to Liberty Union advising them of their discharge overages and the need to meet with the Authority Administrator, Clean Water and ARRO to discuss how Liberty Union could lower the three elevated discharges. The meeting will take place on November 30, 2017. The Authority Administrator, Clean Water and ARRO met with Liberty Union on November 30, 2017 to discuss how to lower the three elevated discharges. Liberty Union stated they will institute existing grease trap cleaning reforms and update their dish cleaning policy. Clean Water will take additional samples periodically to check the reforms. Clean Water conducted a grab sampling of Liberty Union discharges on January 31, 2018. Sampling test results for Phosphorus, BOD and Oil/Grease continue to be above the Authority's NRWD resolution limits. ARRO had a telephone discussion with Liberty Union on February 23, 2018 about high sampling results. Liberty Union requested a third sampling as a composite sample like the first sampling. The Authority Administrator authorized Clean Water to set up the new composite sampling, which was done over February 19 and 20. A lab error occurred with the sample collected on March 29, 2018. The lab scheduled another sampler collection for April 5 into April 6, 2018. ARRO has not received the latest sampling test results. ARRO transmitted the April 6, 2018 test results to Liberty Union. ARRO is preparing comments to Liberty Union questions on the test results. ARRO prepared comments to Liberty Union questions on the test results. Ten random grab samples for analysis will be taken from the Liberty Union pump station wetwell. Two grab samples have been analyzed and BOD exceeds 1000 mg/L in both samples. The results of two grab samples (collected September 25 and 27) were received and the BOD is below 500 mg/L in both. The results of seven grab samples collected between September 5 and October 10, 2018 all had BOD above the NRWD maximum 250 mg/L threshold, the highest result was 1,700 mg/L. The Authority Administrator and ARRO conducted a meeting with

Liberty Union and Epicurean Garage to discuss grease traps and grease entering the sanitary sewer system.

ARRO is in the process of updating the Non-Residential Waste Discharge resolution.

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.

Nothing new to report.

Eagle Retail Associates – Starbucks: ARRO is reviewing the sanitary sewer portion of a conditional use plan for a Starbucks with drive-through to occupy the former Key Bank Building at the Eaglepointe Shopping Center. ARRO reviewed the sanitary sewer portion of the conditional use application and submitted a May 28, 2019 letter to UUT with comments to the plan. ARRO recommended water consumption records be submitted from a similarly-sized facility to determine the necessary wastewater capacity. ARRO reviewed the latest land development plan, dated September 18, 2019, and issued an October 28, 2019 letter with comments to the plan. On January 22, 2020 ARRO was informed by E. B. Walsh Engineering that water consumption records will be submitted. Water consumption records from a similar size Starbucks were submitted averaging 800 gpd. On February 12, 2020 ARRO requested that E. B. Walsh provide BOD and TSS discharge test results from similar size Starbucks. A planning module waiver is also under review by ARRO. On March 9, 2020 J. Loew asked ARRO if Starbucks could be connected to the Route 100 Regional WWTP sanitary sewer system. The Authority Administrator will extend this request to Authority Board for consideration. ARRO is working on a plan to extend the proposed Byers Road sewer across Route 100 to the Eaglepointe shopping center entrance and connect Starbucks to the Route 100 Regional WWTP sanitary sewer system. ARRO is preparing a response to a May 14, 2020 email from PADEP who has requested certification of capacity for the project, and a status update of the revised Act 537 Plan, including a status schedule and the plan for decommissioning of the Eaglepointe WWTP. A May 28, 2020 response letter to the May 14, 2020 email from PADEP was prepared under Authority letterhead and transmitted to PADEP. PADEP issued a June 15, 2020 letter stating that the project is exempt from the requirement to revise the Official Plan for new land development. Starbucks store is open and sending its wastewater flow to the Eaglepointe WWTP.

Nothing new to report.

Ewing Tract

ARRO received from Toll Brothers, on December 5, 2018, Phase 2 Ewing Tract – West Vincent documents concerning (1) Maintenance Service Agreement for Carriage Home South, (2) Grant of Sanitary Sewer Easements and Dedication of Facilities for Butternut Lane and Rainer Road, (3) Deed of Dedication for Future Spray Field #4, (4) Grant of Sanitary Sewer Easements and Dedication of Facilities for Lots 327 and 343, and (5) Grant of Access Easements for Lot 335. ARRO is in the process of reviewing the documents. ARRO completed its review of the Toll Brothers December 5, 2018, Phase 2 Ewing Tract – West Vincent documents concerning (1) Maintenance Service Agreement for Carriage Home South, (2) Grant of Sanitary Sewer Easements and Dedication of Facilities for Butternut Lane and Rainer Road, (3) Deed of Dedication for Future Spray Field #4, (4) Grant of

Sanitary Sewer Easements and Dedication of Facilities for Lots 327 and 343, and (5) Grant of Access Easements for Lot 335. ARRO emailed documents comments to Riley Riper, dated December 21, 2018 and December 31, 2018. Subsequently, ARRO received from Riley Riper a January 9, 2019 email containing documents with recommended adjustments. On February 25, 2019 ARRO received from Taylor Wiseman Taylor (TWT) revised sanitary sewer record drawings for the Ewing Tract – West Vincent Carriage Home North subdivision. ARRO approved the Ewing Tract – West Vincent Carriage Home North subdivision sanitary sewer record drawings on May 14, 2019 and ARRO subsequently received final drawings and electronic files from TWT. ARRO reviewed TWT sanitary sewer record drawings for the Ewing Tract – West Vincent Single Family East subdivision and transmitted comments to TWT on December 11, 2019. Repair of a Ewing Tract – West Vincent gravity sewer pipe defect found during the review of the contractor's televising will be completed sometime in 2020 when statewide construction is allowed to resume. By email dated June 9, 2020 Lennar informed ARRO that the repair of a Ewing Tract – West Vincent gravity sewer pipe defect has been delayed as they need to find a new subcontractor to complete the work. Repair of an Ewing Tract – West Vincent gravity sewer pipe defect is scheduled to be completed on Wednesday, July 29, 2020. The Ewing Tract – West Vincent gravity sewer pipe defect was repaired on July 29, 2020.

Nothing new to report.

Fetter Farm Tract (Preserve at Marsh Creek)

ARRO received a request from a developer engineer for information on available treatment capacity to serve the Tract and met with the Township Manager and developer engineer on September 18, 2012, to discuss treatment capacity and conveyance to the Route 100 WWTP. On August 5, 2014 a meeting with held at the Township Building with The McKee Group to discuss the active adult community proposed by the Developer for the property. A subsequent meeting was held at the Township Building on August 14, 2014 with the Township, Developer and Authority Administrator to discuss sewage flows and disposal. ARRO reviewed a Conditional Use Plan for Fetter's Property prepared for McKee-Milford Associates, LP, dated October 12, 2016. ARRO prepared a review letter to the Township, dated November 8, 2016. The Developer is proposing 375 Housing Units, which will produce 62,675 gallons per day of sanitary sewer flow. The Developer is proposing participation in upgrades to the Route 100 Regional WWTP facility that will trigger the Phase 3 expansion of the WWTP. A review of the capacity within the downstream collection and conveyance system is required to determine the extent of improvements necessary to accept the proposed sewage flow. Preliminary Subdivision/Land Development Plans were submitted to ARRO and are currently under review. The Plans call for 375 mixed Single Family, Twin and Triple units and a Community Center to be built in the subdivision. The subdivision will connect to the Reserve at Eagle by way of Prescott Drive and to the Reserve at Chester Springs by way of Radek Court. The sanitary sewer disposal requirements are calculated to be 62,675 gpd. On-site drip disposal capacity is calculated to be 42,643 gpd, and the off-site sewage disposal requirement is 20,032 gpd. The combination gravity and low-pressure sanitary sewer systems will be directed to the Reserve at Eagle Pump Station No. 1 off Prescott Drive. Preliminary Subdivision/Land Development Plans were submitted and reviewed by ARRO. ARRO comments were submitted in an April 10, 2017 letter to the Township. ARRO is in the process of reviewing the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Application. ARRO reviewed the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Plan and submitted comments to the plan in a July 10, 2017 letter to the Township. ARRO also reviewed the subdivision's low-pressure sewer system design calculations and submitted comments to the design in a July 12, 2017 letter to the Township. ARRO reviewed an August 1, 2017 revision to the low-pressure sewer system design calculations and drawings and submitted an August 16, 2017 letter to the Township with comments to the revision materials. ARRO has started an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its

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

Frame Property (Reserve at Chester Springs)

The pre-construction meeting for the Reserve at Chester Springs (Frame Property) subdivision was held on August 4, 2016. ARRO reviewed shop drawings of sanitary sewer items. The site work is underway. ARRO has been informed by the contractor that sanitary sewer installation is expected to start at the beginning of October 2016. ARRO was informed by Toll Brothers that the sanitary sewer installation will start on Monday, October 24, 2016. Sanitary sewer installation started in Little Conestoga Road on Monday, October 24, 2016 with the tie-in to a manhole immediately upstream of the Little Conestoga Pump Station. Sewer installation in Little Conestoga Road is complete and is now proceeding within the subdivision. ARRO reviewed Toll Brothers' Reserve at Chester Springs Escrow Release #2 request and prepared a recommendation letter to release \$135,160.56. All sanitary sewer piping is installed and testing is underway. The first house service line is being installed the week of February 13, 2017. ARRO is working with Toll Brothers to obtain an easement within the subdivision for ARRO-designed sanitary sewer to serve three (3) Phase II Collection System properties. ARRO is having survey completed of the easement and for design of sewer for the three properties. The easement survey was completed and the Authority solicitor is preparing a Deed of Dedication for Sewer Easement. ARRO reviewed Toll Brothers' Reserve at Chester Springs Escrow Release #3 request and prepared a recommendation letter to release \$91,727.23. The Authority solicitor prepared a Deed of Dedication for the sewer easement to connect Phase II Collection System properties to the Reserve at Chester Springs. The Deed was transmitted to Toll Brothers for review. ARRO prepared a change order to the contractor, MG Property Management, to install 6-inch sanitary sewer and a manhole within the Reserve at Chester Springs Tot Lot for the future connection of Phase II Collection System properties. All sanitary sewer pipe testing is complete and manhole testing is underway. All sanitary sewer manhole testing is complete. MG Property Management installed the 6-inch sanitary sewer and a manhole within the Reserve at Chester Springs Tot Lot for the future connection of Phase II Collection System properties, but cannot complete its work until the Developer's contractor restores an open utility trench near the work area. ARRO prepared closeout documents for the MG Property

Management project. MG Property Management completed its sanitary sewer work within the Tot Lot and will submit closeout documents for the project during the week of August 20, 2017. Installation of the gravity house service line to the last new home (Lot #16) was done on March 26, 2019. On February 11, 2019, ARRO received the sanitary sewer televising video and reports from Toll Brothers' contractor. Ahead of Toll Brothers' paving the subdivision, on April 4, 2019 ARRO checked all sanitary sewer manhole frames and covers and found no damaged units. ARRO inspected all manholes and prepared a punchlist of work items that was sent to Toll Brothers by letter dated May 21, 2019. ARRO received the draft sanitary sewer record drawings. ARRO reviewed the drawings and returned comments to Toll Brothers on November 26, 2019. At the request of the Authority solicitor, ARRO reviewed and commented in an email dated March 17, 2020 on a deed of dedication, maintenance security agreement escrow and grant of sanitary sewer easements. ARRO reviewed the revised Open Space Lot 66 Deed of Dedication submitted by Toll Brothers on April 3, 2020 and has no further comments to the document. ARRO prepared a July 7, 2020 letter recommending release of final escrow for the sanitary sewer portion of the project, which the BOS approved at its July meeting.

Nothing new to report.

Greenridge

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.

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 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.

Jankowski (Chester Springs Crossing)

ARRO issued a May 5, 2017 review letter to the Township with comments to the September 13, 2016 Conditional Use Plan for the Jankowski Tract. On February 2, 2018, the Developer's engineer submitted for review subdivision plans of a 55 Single Family Housing unit community. ARRO is working on a review of the sanitary sewer portion of the subdivision plans. ARRO completed its review of the Preliminary/Final Subdivision-Land Development Plan submitted by E. B. Walsh and prepared a February 26, 2018 letter to the Township with comments to the Plans. ARRO responded to Toll Brothers regarding the Windsor Ridge Pump Station capacity to receive Jankowski estimated sanitary flow. ARRO reviewed the Preliminary/Final Subdivision-Land Development Plan, last revised May 18, 2018, and prepared June 11, 2018 comments to the Township. Sewage Facilities Planning Module Components 4A, 4B and 4C were received. Presently the project is in the 30-day Public Notice periods, which upon completion the Township can submit the components to PADEP. The Authority Administrator sent an August 14, 2018 letter to Chester County Health Department (CCHD) regarding CCHD's Component 4C comment about malfunctions along Surrey Lane, Font Road and Carriage Drive. The Administrator stated the Authority will be evaluating future extensions in these areas. Subsequently, ARRO conducted a small conceptual planning study to sewer these areas. ARRO presented three sewer extension options and cost opinions to the Authority Administrator for review and comment. The first gravity and low-pressure sewer concept sends all flow through the Jankowski tract, the second all-gravity sewer concept sends some flow through Jankowski and the remainder to Reserve at Eagle, while the third all gravity sewer concept sends all flow to the Reserve at Eagle. ARRO is reviewing the latest Preliminary/Final Subdivision Land Development Plan transmitted by E.B.

Walsh letter, dated August 10, 2018. SFPM Components 4A, 4B and 4C were received, but the bog turtle clearance letter from PA Fish & Wildlife is still outstanding. The UUT Board of Supervisors authorized the resolution needed for the Sewage Facilities Planning Module at their October 15, 2018 meeting but are holding it until the clearance letter is issued. ARRO prepared an August 30, 2018 sanitary sewer review letter to the latest Preliminary/Final Subdivision-Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. On February 4, 2019, ARRO received the preliminary sanitary sewer escrow calculations from Toll Brothers. ARRO reviewed the calculations and returned comments to Toll. Revised calculations were received and after review were accepted by ARRO. ARRO prepared and sent a letter to the Township recommending acceptance of the sanitary escrow in the amount of \$425,955.60. On February 27, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by letter dated March 11, 2019. On March 18, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by email dated April 1, 2019. On April 2, 2019 ARRO received from Toll Brothers a revised sanitary sewer escrow calculation based on the latest E. B. Walsh drawings. ARRO prepared an April 2 letter to the Township recommending accepting the revised escrow amount. ARRO received a May 22, 2019 email from Toll Brothers stating Jankowski construction might start in July 2019. A pre-construction meeting for the project has been scheduled for July 24, 2019. ARRO attended the July 24, 2019 pre-construction meeting and the August 21, 2019 PennDOT HOP site meeting. Sanitary sewer installation for the project is set to begin on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Sanitary sewer installation for the project began on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Garrison Drive sanitary sewer installation is almost complete and the contractor intends to continue its work in the Jankowski site. The boring for the sanitary sewer casing under Route 100 linking Jankowski and Windsor Ridge will take place sometime in October 2019. The sanitary sewer casing boring under Route 100 linking Jankowski and Windsor Ridge is scheduled for the week of October 28, 2019. The boring and casing work under Route 100 was completed the week of November 18, 2019. In order to correct a sewer misalignment through the casing Toll Brothers agreed to install two new manholes, one upstream and one downstream of the casing, and also relocate a recently installed manhole to achieve minimum sewer slope required by PADEP. Sanitary sewer installation continues within the site. Over the weeks of January 6 through January 13, 2020 two new manholes, one upstream and one downstream of the casing, were installed and one existing manhole in Garrison Drive was relocated to achieve minimum sewer slope required by PADEP. Sanitary sewer installation still continues within the site. Testing of sanitary sewer through Milford Road Extension, across Route 100 and in Windsor Ridge's Garrison Drive started the last week of January 2020 and continued into early February; all testing was positive. Installation of the gravity house service line to each new home has resumed the week of May 18, 2020. Testing of the onsite sanitary sewer continued the week of June 15, 2020.

Testing of all onsite sanitary sewer was completed. Sanitary sewer televising was completed and submitted to ARRO for review and comment.

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

Lakeridge

ARRO is preparing plans and specifications for construction of a sludge tank exterior to the WWTP Control Building. ARRO conducted an inspection of the Lakeridge WWTP Control Building in order to prepare maintenance and repair items for inclusion in the sludge tank construction contract. ARRO is continuing to prepare the sludge tank and building repairs plans and specifications. ARRO has both the sludge tank plans and specifications and the PADEP Part 2 permit application approximately 80 percent complete. ARRO has completed the sludge tank plans and specifications. The Part 2 permit application is expected to be submitted to PADEP by the end of May 2018. Changes to sludge tank design plans were necessary due to updated Columbia Gas easement information. ARRO submitted

the Part 2 permit application to PADEP on July 17, 2018. PADEP sent an August 14, 2018 Water Quality Management permit for the sludge tank project. The bidding phase of the work is now in progress. The Sludge Tank Relocation project was put out to bid on September 4, 2018. A pre-bid meeting for the project is scheduled for September 20, 2018. Bids are due October 18, 2018. ARRO plans to have a bid award recommendation prepared for the October 23, 2018 Authority meeting. Bids for the Sludge Tank Relocation project were received on October 18, 2018 and reviewed by ARRO. ARRO recommended award of the General Contract to Blooming Glen Contractors and the Electrical Contract to Eastern Environmental Contractors. Agreements were delivered to the Township on November 19, 2018 for execution by the Authority at its November Board meeting. ARRO conducted the Sludge Tank Relocation project pre-construction meeting on December 10, 2018. The Sludge Tank Project Notice to Proceed was issued on December 17, 2018 for a 180-calendar day construction period. Blooming Glen Contractors submitted its one-call notice for excavation on January 9, 2019. Sludge Tank project shop drawings are being reviewed. The Blooming Glen Contractors project schedule says construction will start in April 2019. The sludge tank project schedule had a setback due to a tank precast fabrication delay. Blooming Glen has submitted a 90-calendar day extension of contract time change order request. Work has begun in the Control Building with the installation of replacement unit heaters. The sludge tank excavation is complete and the tank is scheduled to be delivered July 18, 2019. The date of substantial completion is September 13, 2019. The sludge tank was installed and the general construction and electrical work is commencing. Change orders have been prepared for a 28-calendar day time extension to the general and electrical contracts. The date of substantial completion is now October 11, 2019. The sludge tank general construction and electrical work is coming to an end. Start-up testing is expected to be done in mid-October to meet the substantial completion date. Start-up testing is scheduled for the week of October 21, 2019 to meet the revised substantial completion date. Start-up testing is complete. Punchlist work is commencing. The project is expected to be done by mid-December 2019. Punchlist work is continuing. The project is expected to be done by mid-January. The electrical contractor, Eastern Environmental Contractors, has completed closeout and received final payment. ARRO is confirming that the general contractor, Blooming Glen, has completed all contract closeout activities with an expectation of submission of the final payment application in July. Blooming Glen submitted all O&M manuals and its final application for payment, but is waiting for supplier release of liens that need to be submitted before ARRO can approve the final payment. ARRO received Blooming Glen's supplier release of liens. ARRO has reviewed and commented on the Blooming Glen final application for payment. The application should be ready for submission to the Authority in time for the August Board meeting.

Nothing new to report.

Under Authority letterhead ARRO prepared a July 16, 2020 communication to Lakeridge WWTP customers notifying them of high BOD levels experienced at the WWTP and the request to not dispose of food waste and kitchen grease by using a garbage disposal/kitchen grinder. On July 28, 2020 the Township mailed letters to Lakeridge WWTP customers notifying them of high BOD levels experienced at the WWTP and requesting them to not dispose of food waste and kitchen grease by using a garbage disposal/kitchen grinder.

Nothing new to report.

Marsh Harbour

The Marsh Harbour WWTP WQM permit was renewed and issued on December 9, 2019. ARRO completed the Groundwater Monitoring Background report required as part of the permit renewal and transmitted the report to PADEP on January 22, 2020.

Nothing new to report.

Reserve at Eagle

Nothing new to report.

Route 100 WWTP

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

ARRO prepared a draft of the Route 100 Regional WWTP aerated lagoon nutrient removal study for the potential of rerating of the lagoon to obtain an additional 100,000 gallons of capacity. The draft is under internal review prior to submission to the Authority.

ARRO continues updating the Route 100 Regional wastewater system treatment facility manual and the manuals for the other treatment facilities in the Township.

ARRO is working on setting the entire Route 100 Regional WWTP disposal system into a geographical information system (GIS). ARRO has digitized the record drawings from each disposal system and has completed much of the field work gathering data from each spray and drip field and their associated pump stations. ARRO finished data collection of all Route 100 Regional WWTP disposal fields and is currently analyzing the data and integrated it into the sanitary GIS. ARRO finished integrating into sanitary GIS the data collected from all Route 100 Regional WWTP disposal fields and the Route 100 Regional WWTP. ARRO is continuing to work on digitizing features from all the satellite WWTPs.

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.

ARRO continues basic Act 537 planning work.

ARRO started work on the Route 100 Regional WWTP WQM permit renewal application. Act 14 notifications were prepared and sent the Upper Uwchlan Township Board of Supervisors and the Chester County Planning Commission by letters dated July 15, 2020. On August 6, 2020 ARRO received a Determination of Consistency letter from the Chester County Planning Commission in response to the Act 14 notification letter. ARRO has started preparation of the 5-Year Comprehensive Groundwater Monitoring Report for inclusion within the WQM permit renewal application.

ARRO completed preparation of the 5-Year Comprehensive Groundwater Monitoring Report on September 3, 2020 for inclusion within the WQM permit renewal application.

Route 100 WWTP – Phase III

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction. ARRO responded to February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing. ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22. ARRO received a July 17, 2020 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional WWTP Phase III project. ARRO is in the process of reviewing the documents.

On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings.

Saybrooke

ARRO is working on a plan for the decommissioning of the Saybrooke WWTP.

ARRO submitted the 2020 Saybrooke WWTP groundwater monitoring report to PADEP on June 19, 2020.

Nothing new to report.

St. Andrews Brae

The property owner at 10 Kiloran Wynd, adjacent to the St. Andrews Brae WWTP, has had two blockages in his sewer and questions whether the WWTP is causing the problem. The Authority Administrator authorized a survey investigation to determine if the blockage location is on the WWTP property or the property owner's land. The sanitary sewer system was pressure washed and televised on May 8, 2020 to locate any infiltration within the system. ARRO is in the process of reviewing the video.

Nothing new to report.

Upland Farms

Columbia Gas is planning cathodic protection work within its right-of-way through a portion of Upland Farms and Waynebrook. ARRO reviewed the work plan drawings and provided information to Columbia Gas regarding the Authority's disposal fields and Little Conestoga Pump Station force main bordering the planned work area. Columbia Gas subcontractor is working in the right of way adjacent to the Waynebrook drip fields on impressed current cathodic protection. ARRO was present at the start of the work to respond to requests for information regarding drip field infrastructure.

Nothing new to report.

Waynebrook

Nothing new to report.

Windsor Ridge

Nothing new to report.

Miscellaneous

270 – 290 Park Road (The Townes at Chester Springs) – PADEP issued a May 10, 2017 letter approving the proposed 40 townhouses development that will generate 7,400 gallons of sewage per day to be treated at the Route 100 Regional WWTP. ARRO is reviewing the June 20, 2017 resubmission of Land Development Plans for the project. Toll Brothers will be purchasing the approved plans and will develop and build the project. ARRO reviewed and commented on the draft sanitary sewer escrow spreadsheet submitted by Toll Brothers on June 14, 2017. ARRO reviewed the June 20, 2017 resubmission of Land Development Plans for the project and sent a June 23, 2017 letter to the Township with comments. The project preconstruction meeting was held on July 27, 2017. ARRO reviewed the contractor's sanitary sewer shop drawings. Sanitary sewer installation is tentatively scheduled to start the first week of October 2017. Sanitary sewer installation started on October 9, 2017. Sanitary sewer installation was completed on November 7, 2017. All sanitary sewer testing was completed on December 18, 2017. On February 14, 2018, Toll Brothers informed ARRO that the house service line installations would begin in the later part of February 2018. House service line installations began on February 28, 2018. The last four house service lines were installed and tested during the week of October 1, 2019. Sanitary sewer installation work is complete, but dedication of sanitary sewer remains. At the request of Toll Brothers as part of dedication, on July 22, 2020 ARRO observed the condition of the site sanitary manholes and will prepare a punchlist of work that needs to be completed before acceptance of the sanitary sewer system. ARRO prepared and submitted to Toll Brothers an August 12, 2020 email with a punchlist of work that needs to be completed before acceptance of the sanitary sewer system.

Toll Brothers' contractor completed the punchlist of work that needed to be completed before acceptance of the sanitary sewer system. On August 26, 2020 ARRO observed the repairs done to the sanitary sewer system. ARRO is in the process of reviewing the final sanitary sewer televising.

Village of Eagle

160/180 Park Road (Gunner Properties) - ARRO reviewed and commented on the sanitary sewer plans submitted to the Township on June 14, 2017 for the connection of 160/180 Park Road to the Route 100 Regional WWTP sanitary sewer system. ARRO reviewed revised sanitary sewer plans submitted to the Township on August 3, 2017. ARRO sent a letter to the Authority approving the revised plans. ARRO received updated Preliminary/Final Land Development Plans on October 17, 2017 for review. ARRO issued an October 31, 2017 comments letter to the updated Preliminary/Final Land Development Plans, received on October 17, 2017, requesting additional information on proposed bathroom facilities to determine the sanitary sewer capacity that will need to be purchased. ARRO reviewed a request to allow installation of an 8" saddle on the existing 12" sewer main in lieu of 8" x 12" cut-in wye as shown on the Developer's approved design drawings. The request was denied unless further information is supplied supporting the request's feasibility. ARRO reviewed and accepted installation of an 8" saddle on the existing 12" sewer main in lieu of 8" x 12" cut-in wye. A preconstruction meeting for the project was held on January 11, 2018. On February 20, 2018, the Developer's contractor installed an 8" saddle on the existing 12" sewer main in Park Road. The contractor also started installing sewer within the site. ARRO is preparing a letter to the Authority in response to the capacity request from the Developer. ARRO is reviewing the sanitary sewer portion of a conditional use application for additional development at 160/180 Park Road. ARRO completed a review of the sanitary sewer portion of a conditional use application for additional development at 160/180 Park Road and submitted a May 28, 2019 letter to the Township. ARRO recommends an

additional 8.66 EDUs of capacity should be purchased for the proposed use. ARRO prepared a July 23, 2019 comments letter to the Preliminary/Final Plans for Eagle Village Parking Expansion as prepared by DL Howell, dated July 3, 2019. An additional 8.5 EDUs need to be purchased for the proposed use and a SFPM will be required. The Board of Supervisors granted approval of the Plans at their August 19, 2019 meeting. PADEP sent an August 19, 2019 letter stating no Sewage Facilities Planning Modules are required for expansion of the 160 Park Road parking lot. A capacity agreement for 8.5 EDUs was established. The first of six (6) capacity payments for the 8.5 EDUs (\$133,875.00 total) was made by the Developer on January 29, 2020. ARRO emailed the Developer's engineer on February 25, 2020 requesting the engineer contact PADEP about questions to the project.

Nothing new to report.

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 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 Pennsylvania Department of Community & Economic Development 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 the PA Department of Community & Economic Development 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. The PA Department of Community & Economic Development 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.

Nothing new to report.

ARRO is studying the feasibility of a sewer extension across Route 100 near Byers Road to pick up commercial business on the west side of Route 100. ARRO is proceeding with the design of the sewer extension across Route 100 near Byers Road to pick up commercial business on the west side of Route 100.

ARRO is continuing work on a plan to extend the proposed Byers Road sewer across Route 100 to the Eaglepointe shopping center entrance.

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.

Windsor Baptist Church – A Preliminary Plan – Land Development Plan was submitted for a 3-story building expansion to the church. ARRO prepared an April 4, 2019 letter to the Township with its comments to the sanitary sewer portion of the project. ARRO reviewed the Land Development Plan

Revision No. 1, dated April 18, 2019, and received by ARRO July 1, 2019. ARRO prepared a July 1, 2019 letter to the Township with comments to the sanitary sewer portion of the plan.

ARRO reviewed the final Land Development Plan for Windsor Baptist Church, plotted June 19, 2020. ARRO sent a September 4, 2020 email to the Township that it had no comments to the Plan and all previous comments were satisfied.

241 Park Road LLC (McQueen)

E. B. Walsh transmitted a September 2010 Grading and Utility Plan and a sanitary sewer Details drawing to ARRO. On October 10, 2019 E. B. Walsh informed ARRO that as yet no updated SFPM documents have been submitted for the project.

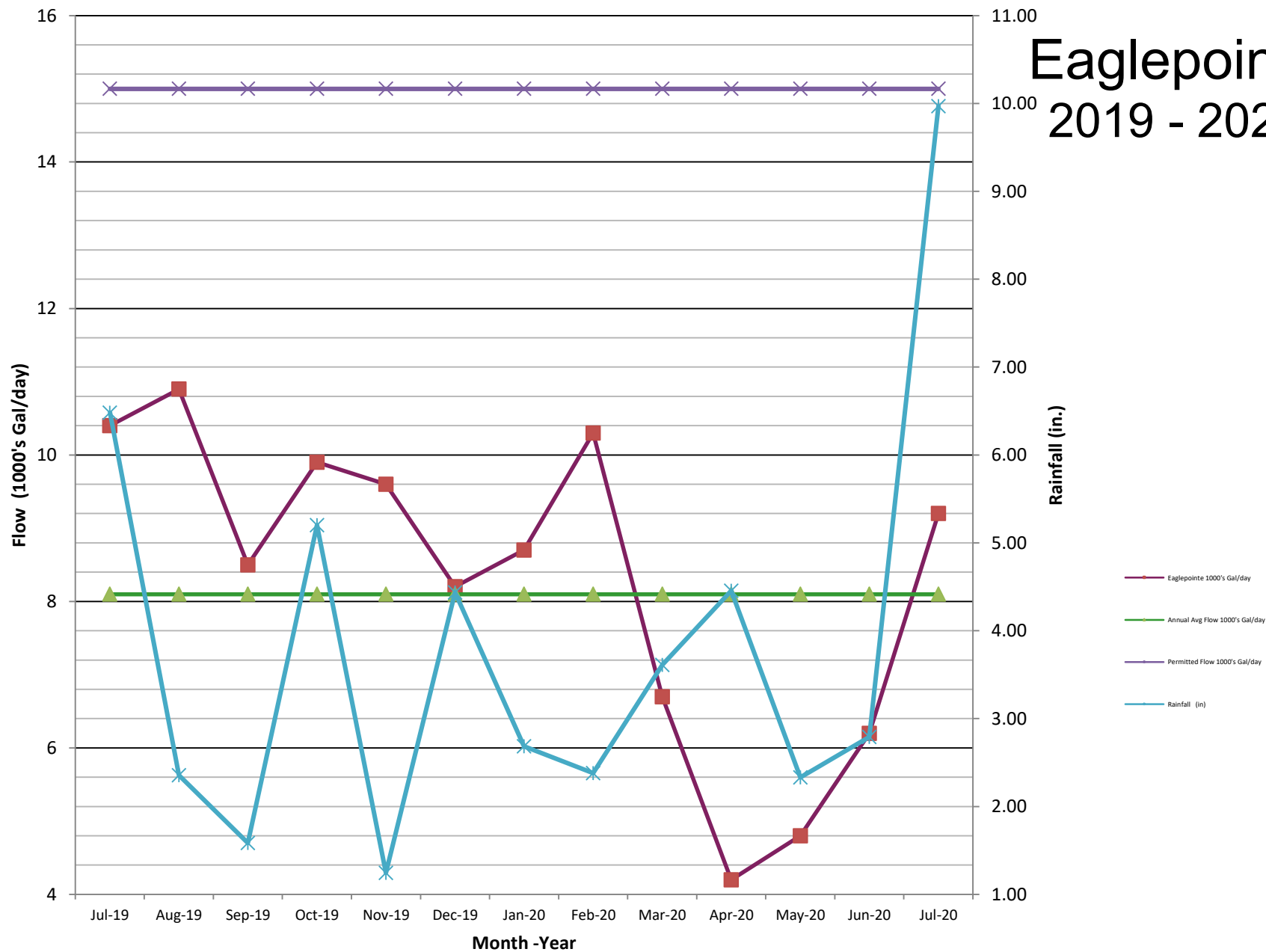
Nothing new to report.

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

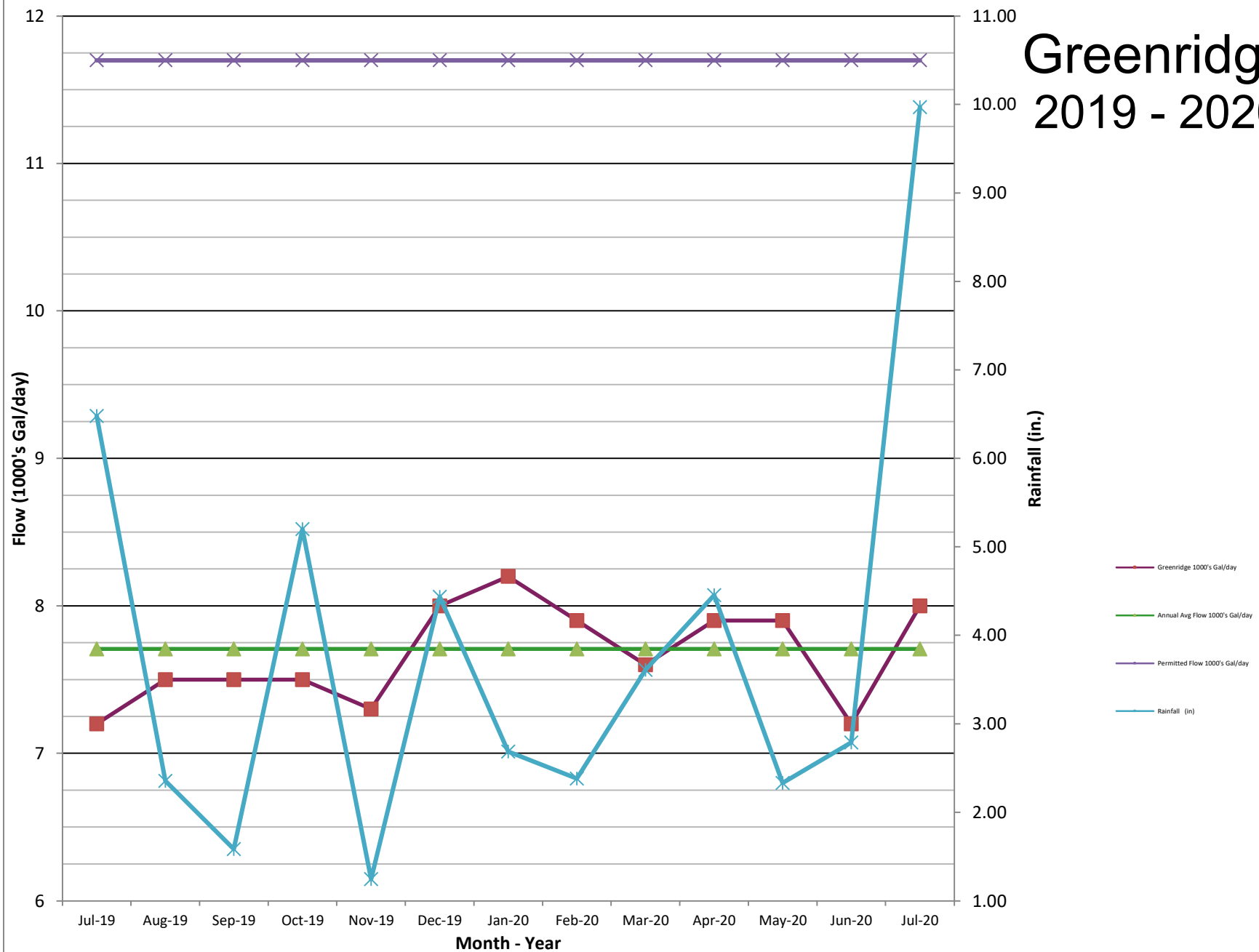
UPPER UWCHLAN MUNICIPAL AUTHORITY
WASTEWATER TREATMENT PLANTS
MONTHLY AVERAGE DAILY FLOWS

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Jul-19		0.01040	0.00720	0.02330	0.04040	0.34700	0.00790	0.00170	6.48
Aug-19		0.01090	0.00750	0.02250	0.03820	0.32830	0.00800	0.00140	2.36
Sep-19		0.00850	0.00750	0.02110	0.03630	0.33150	0.00720	0.00140	1.59
Oct-19		0.00990	0.00750	0.02120	0.03730	0.32760	0.00790	0.00250	5.20
Nov-19		0.00960	0.00730	0.02270	0.03850	0.33940	0.00790	0.00240	1.25
Dec-19		0.00820	0.00800	0.02600	0.04310	0.35160	0.00730	0.00240	4.44
Jan-20		0.00870	0.00820	0.02470	0.04180	0.35080	0.00700	0.00230	2.69
Feb-20		0.01030	0.00790	0.02360	0.04060	0.33560	0.00780	0.00250	2.38
Mar-20		0.00670	0.00760	0.02870	0.04370	0.37640	0.00700	0.00290	3.61
Apr-20		0.00420	0.00790	0.03000	0.04720	0.38900	0.00790	0.00270	4.46
May-20		0.00480	0.00790	0.02940	0.04540	0.38610	0.00740	0.00220	2.33
Jun-20		0.00620	0.00720	0.02550	0.04230	0.36630	0.00730	0.00140	2.79
Jul-20		0.00920	0.00800	0.02790	0.03970	0.36050	0.00830	0.00130	9.97
Annual Avg Flow =		0.00810	0.00771	0.02528	0.04118	0.35359	0.00758	0.00212	
Permitted Flow =		0.01500	0.01170	0.04000	0.07600	0.60000	0.00920	0.00360	

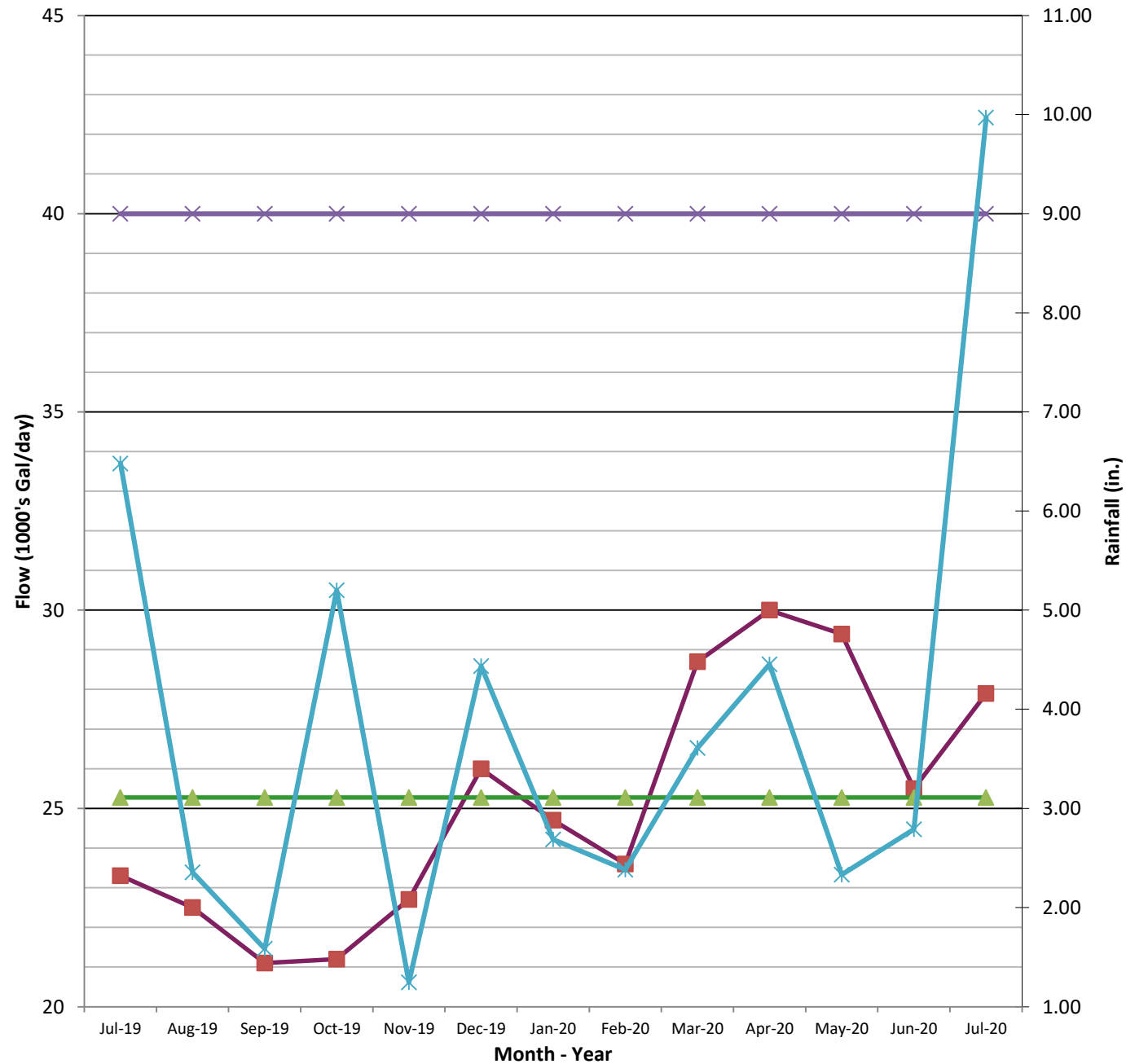
Eaglepointe 2019 - 2020



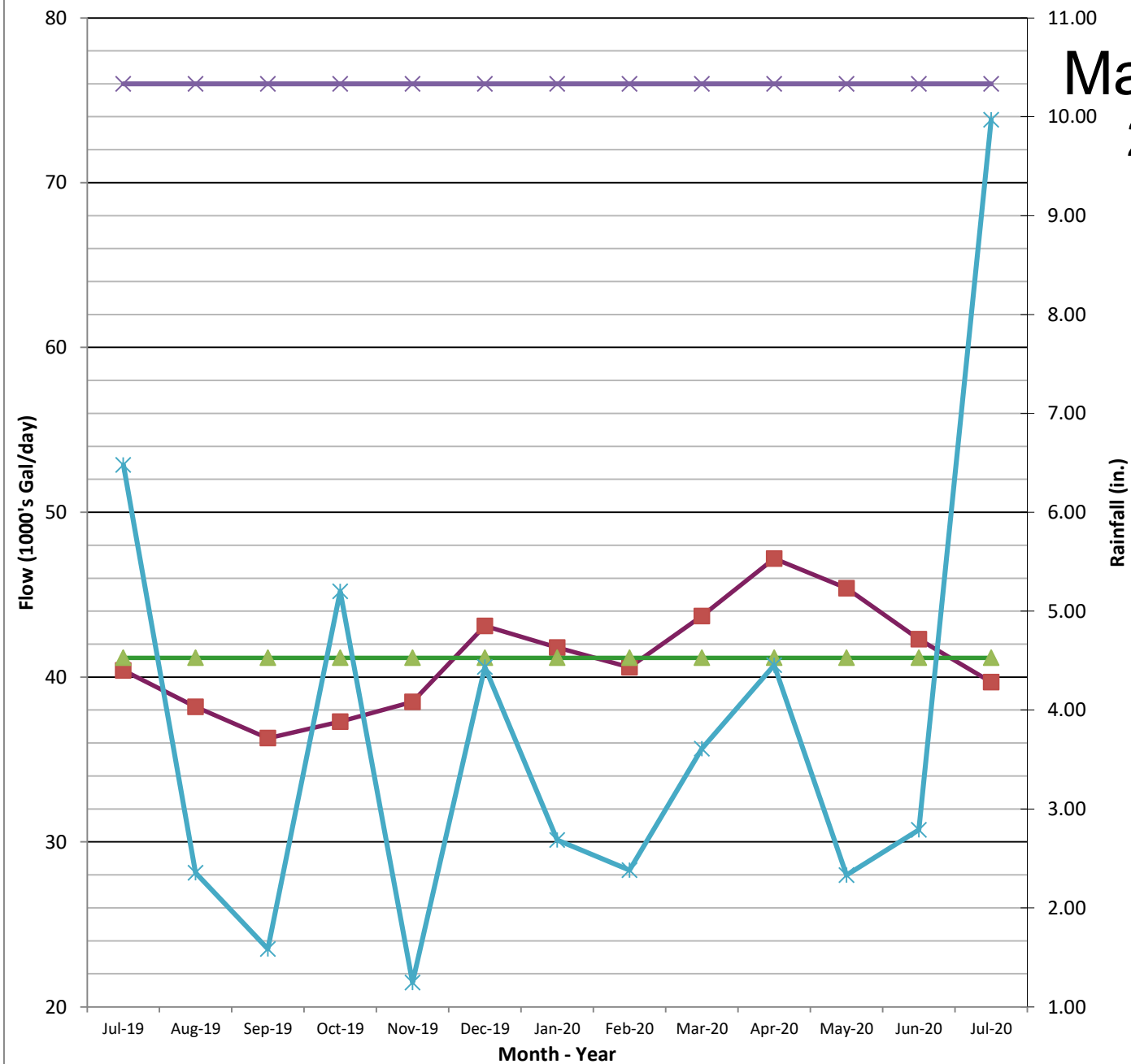
Greenridge 2019 - 2020



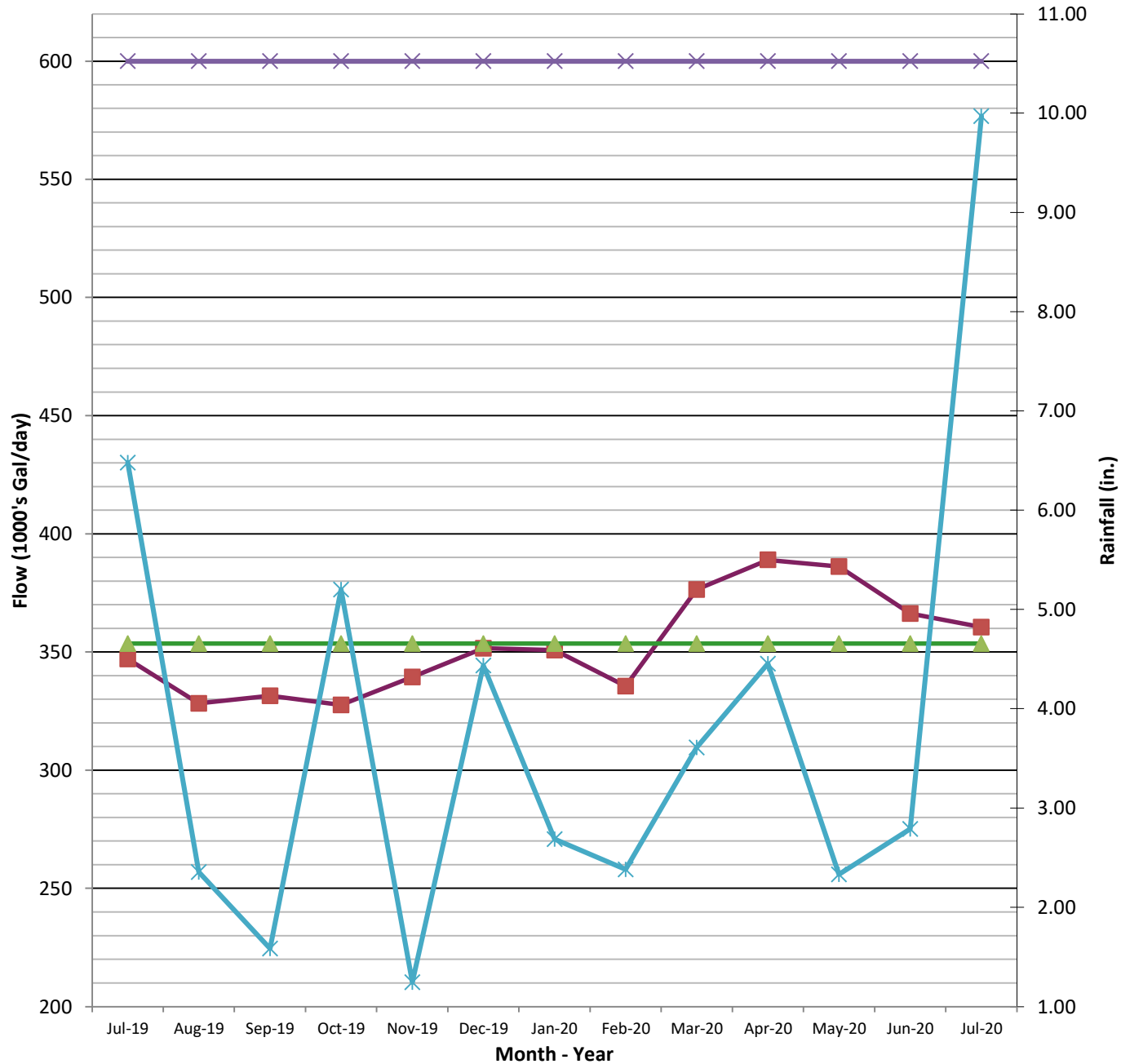
Lakeridge 2019 - 2020



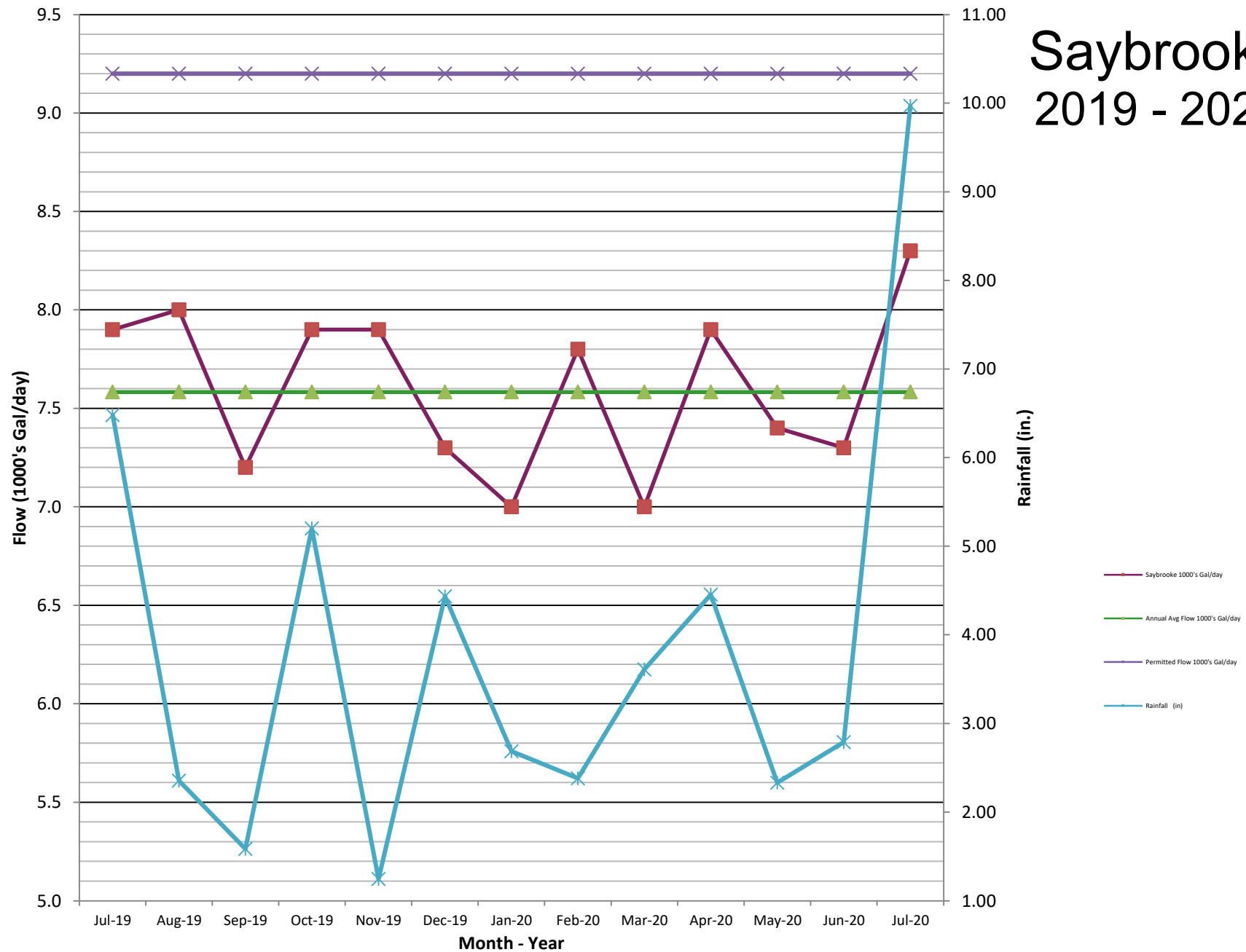
Marsh Harbour 2019 - 2020



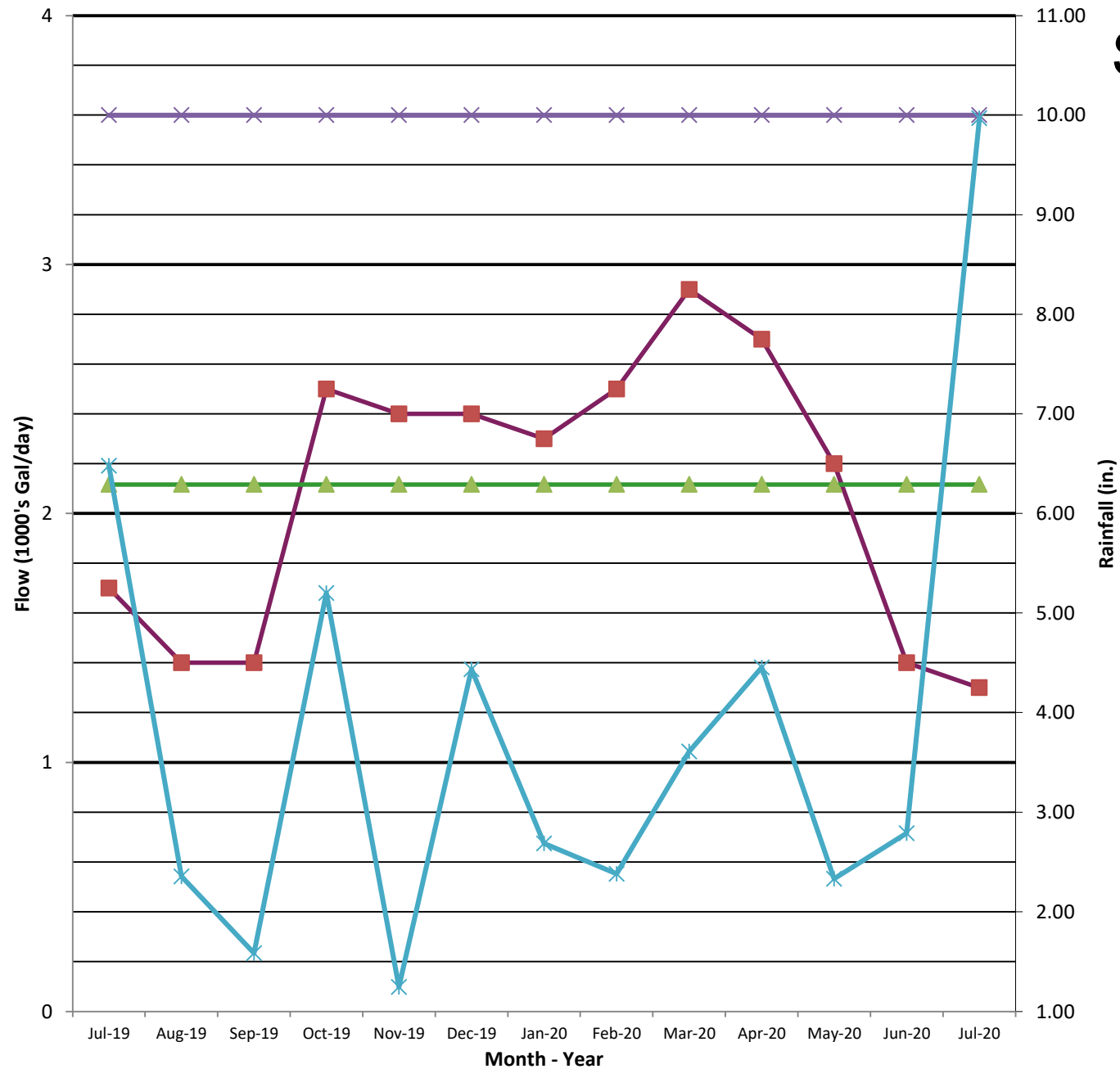
Route 100 2019 - 2020



Saybrooke 2019 - 2020



St. Andrews 2019 - 2020





To: Municipal Authority Members

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

Re: Authority Administrator's Report

Date: September 18, 2020

Activities for the month include:

- A. Communication with WWTF Operator and Township Staff regarding operational and maintenance issues.
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files.
- C. Communication with residents regarding septic system issues.
- D. Communication with McKee engineer and ARRO regarding Phase III design of the Route 100 WWTF, collection system and disposal system.
- E. Communication with PADEP and ARRO regarding assessment of the Meadow Creek collection system and preparation of planning documents for connection to the Greenridge system.
- F. Communication with the Township Solicitor regarding the agreement with Sunoco for the pipeline through Meadow Creek.
- G. Communication with residents regarding connection to the Lakeridge system.
- H. Communication with residents in Milford Farms regarding the sewer schedule.
- I. Communication with real estate and title companies regarding the upcoming connection to the public sewer on Byers Road and Milford Farms.
- J. Communication with PADEP and ARRO regarding the Byers Road extension and development connection.
- K. Attendance at the virtual Joint Boards and Commissions meeting with the Township.

Please advise if you have any questions or would like further details.



WASTE WATER FACILITIES

MONTHLY REPORT FOR AUGUST 2020

There was a sewer main blockage in Windsor Ridge that was reported by a resident and quickly resolved by our PW forces.

ROUTE 100 REGIONAL SEWER PLANT (275 FELLOWSHIP RD)

- site checked
- rehung downspout at lagoon
- fixed faucet in slop pan
- repaired toilet
- cleaned facility

BYERS STATION EFFLUENT PUMP STATION (1120 SUNDERLAND AVE) :

- pressure washed facility
- removed dead limbs from trees
- cleaned facility

BYERS STATION INFLUENT PUMP STATION (308 FLAGSTONE) :

- cleaned gutters
- replaced bad ballast on indoor light
- cleaned facility
- checked site

EWING PUMP STATION (2679 PRIMROSE CT) :

- cleaned facility
- cleaned gutters

EWING WEST VINCENT INFLUENT (304 FELLOWSHIP) :

- cleaned facility
- cleaned gutters
- replaced bad outdoor frost-free spigot
- put out ant traps
- checked site

EAGLE HUNT PUMP STATION (422 HEMLOCK) :

- site checked
- lubed all locks
- repaired vent on exhaust fan
- cleaned facility

WINDSOR RIDGE PUMP STATION (10 PROSPECT HILL BLVD) :

- site checked
- cleaned facility

SAYBROOK SEWER PLANT (29 YARMOUTH) :

- site checked
- cleaned intake vents
- cleaned up facility
- cleaned gutters
- replaced bad bulbs
- removed fallen tree

SEABURY PUMP STATION (527 SAYBROOK LN) :

- site checked
- cleaned up property
- lubed and cleaned all locks

YARMOUTH LN PUMPS STATION #1 (51A YARMOUTH) :

- site check
- lubed locks

YARMOUTH LN PUMP STATION #2 (13 YARMOUTH) :

- site check
- lubed locks

ST. ANDREWS BRAE SEWER PLANT (8 KILORAN WYND) :

- site checked
- lubed locks
- cleaned up limbs
- cleaned facility
- cleaned vent intake
- roof needs replaced on building

ST. ANDREWS PUMP STATION (St. Andrews) :

- site checked
- lubed locks

RESERVE AT EAGLE LAGOON (314A PRESCOTT DR) :

- site checked
- repaired roof (missing shingles)
- repaired downspouts
- cleaned gutters
- replaced missing sign
- cleaned facility

RESERVE AT EAGLE PUMP STATION #1 (199 PRESCOTT) :

- site checked
- lubed locks
- cleaned facility

RESERVE AT EAGLE PUMP STATION #2 (439 PRESCOTT) :

- site check
- repaired door latch (secondary door would not open)
- cleaned gutters

UPLAND FARMS PUMP STATION (100 DARRELL Way)

- site checked
- replaced bad ballast in light
- discovered electrical problems here PECO at fault
- cleaned facility

GREENRIDGE SEWER PLANT (711 DORIAN CT) :

- site check
- removed fallen tree
- replaced missing stakes
- cleaned facility

STONEHEDGE PUMP STATION (103 INDIAN SPRINGS WEST) :

- site checked
- cut limbs that were rubbing roof
- repaired hole in building
- repaired trim
- cleaned facility

MARSH HARBOUR SEWER PLANT (2500 MALLARD LN) :

- repaired both exhaust fans
- replaced indoor light
- repaired trim
- trimmed limbs that were impeding in driveway
- changed bulbs
- cleaned facility

MARSH HARBOUR PUMP STATION (509A LARKINS BRIDGE) :

- site checked
- lubed locks

MEADOW CREEK LANE SEWER PLANT (2 MEADOW CREEK LN) :

- site checked
- lubed locks

EAGLE POINT SEWER PLANT (1960 TICONDEROGA BLVD) :

- site checked
- replaced leaking hot water heater
- replaced missing floor drain cover
- replaced missing stone from washout on walking path
- cleaned facility

HERRON HILL PUMPS STATION (34A HERRON HILL} :

- site checked
- lubed locks

LAKERIDGE SEWER PLANT (540 WALTER CT) :

- site check
- cleaned facility
- pressure washed building
- cleaned facility

LAKERIDGE PUMP STATION (201 MOORE RD) :

- site checked
- lubed locks

EAGLE FARMS RD PUMP STATION (WV) (INTERSECTION EAGLE FARM RD AND POWELL) :

- site check
- cleaned facility

LITTLE CONESTOGA RD PUMP STATION (381 LITTLE CONESTOGA RD) :

- site checked
- cleaned gutters
- mowed
- cleaned facility

EAGLE MANOR PUMP STATION (111 DOROTHY LN) :

- site checked
- lubed locks

GARRISON RD PUMP STATION #1 (GARRISON RD AND RT 100):

- site checked
- cleaned trash from spray fields

GARRISON, RD PUMP STATION #2 (GARRISON RD AND RT 100):

- site check
- cleaned trash from spray field

Respectfully submitted,

Michael G. Heckman

Director of Public Works

Upper Uwchlan Township