

TO: WTMA Board of Directors
FROM: Joe Schorn , Director of Utilities
DATE: November 14, 2019
SUBJECT: Monthly Water Report for October 2019

This month the water system was operating at 42% of capacity.

* Note that the Monthly loss from leaks is based on a calculation that can be calculated up to 3 months depending on site description and certain characteristics of the leak.

	<u>MONTHLY</u>		<u>QUARTERLY</u>	
WATER PRODUCED:	21,364,000	GALLONS	65,508,000	GALLONS
WATER SOLD:			32,051,035	GALLONS
EST. LOSS FROM KNOWN LEAKS:	3,447,540	GALLONS	11,234,040	GALLONS
EST. LOSS FROM FLUSHING, FIRE PROTECTION & BLOWOFFS:	975,000	GALLONS	2,908,000	GALLONS
UNACCOUNTED WATER LAST OTR:			47%	
UNACCOUNTED WATER THIS QTR:			29%	
PREVIOUS SYSTEM CONNECTIONS:			2,505	
NEW CONNECTIONS THIS MONTH:			7	
TOTAL SYSTEM CONNECTIONS:			2,512	
TOTAL CONNECTIONS FOR 2018/2019			28 31	

NEW CONNECTION LOCATIONS:

11137 Weatherstone Dr. Lot#143	11202 Gopher Dr. Lot #131
11184 Gopher Dr. Lot# 128	11166 Gopher Dr. Lot #126
11190 Gopher Dr. Lot#129	11172 Gopher Dr. Lot #127
11196 Gopher Dr. Lot#130	

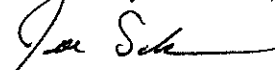
(A.) 5 Leaks were discovered and repaired this month.

14961 BTE (Laundromat)	11791 Penn Mar Road
15139 BTE (M&T Bank)	12177 Crest Ave.
12281 Blue Mountain Ave.	

(B.) Additional Maintenance / Repair Work.

- 1.) Staff posted shut off notices.
- 2.) Staff shut off water to non-payment customers.
- 3.) All meters were read and rechecks were done for Hi / Low readings.
- 4.) The staff placed topsoil, seeded, and mulched the areas that were effected from recent leak repairs.
- 5.) The staff pulled the motor from the pump at Bubbling Springs. AR&E rebuilt the motor. We also had Larry Kershener re-wire and rebuild the starter of this pump. When this pump motor failed, it burnt up the wires and the starer contacts were very worn. Everything seems to be operating very well.

Respectfully Submitted,


 Joe Schorn
 Director of Utilities

DAILY WATER PRODUCTION

Oct-19

DAY	WELL#5 & WELL#6	WELL#10	BUBBLING SPRINGS	BROOKDALE	Hess Well	HOOVER SPRINGS	TOTAL	monthly permit avg capacity %
PERMIT (gpd)	191,520	57,600	385,000	249,120	345,600	154,080	1,382,920	49.89%
ACTUAL (gpd)	180,000	54,720	227,258	249,120	345,600	154,080	1,210,778	56.98%
1	145	53	227	0	197	147	769	5 DAY AVG
2	148	56	237	0	183	151	775	
3	141	0	231	0	162	155	689	
4	153	0	232	0	198	159	742	
5	145	0	230	0	172	154	701	
6	145	0	228	0	182	153	708	735
7	153	0	239	0	194	156	742	
8	138	0	222	0	182	141	683	
9	153	0	239	0	174	156	722	
10	145	0	227	0	173	152	697	
11	141	0	226	0	155	150	672	710
12	146	0	228	0	175	151	700	
13	146	0	240	0	190	158	734	
14	146	0	230	0	181	151	708	
15	147	0	234	0	182	156	719	
16	144	0	227	0	170	150	691	707
17	142	0	235	0	160	152	689	
18	141	0	218	0	146	149	654	
19	153	0	239	0	119	159	670	
20	142	0	225	0	149	147	663	
21	155	0	224	0	156	152	687	673
22	139	0	232	0	103	153	627	
23	154	0	120	0	132	151	557	
24	143	0	249	0	125	155	672	
25	148	0	252	0	145	156	701	
26	146	0	242	0	118	153	659	649
27	144	0	237	0	148	151	680	
28	151	0	244	0	143	152	690	
29	146	0	233	0	118	153	650	
30	145	0	241	0	147	150	683	
31	99	0	157	0	216	158	630	665
MTH TOTAL	4484	109	7045	0	4995	4731	21364	MONTHLY AVERAGE
PREV TOTAL	38054	3252	62439	0	45479	40939	190163	
YTD	42538	3361	69484	0	50474	45670	211527	690
X 1000	42,538,000	3,361,000	69,484,000	0	50,474,000	45,670,000	211,527,000	689,956

**WELLS AND SPRINGS PUMP STATIONS
WASHINGTON TOWNSHIP MUNICIPAL AUTHORITY**

MONTH YEAR	OCT. 2019	WEIR LEVEL (INCHES)			WELL LEVEL (FT)			RAIN FALL (INCHES)	CL2 RESIDUAL							O.S. TEMP F	CL2 BOOSTER (PSI)				PUMP HRS			
		B	S/a #1 BV	S/a #1 BV	#2	#3	#4		#7	#1	#2 & #3	#4	#5	#7	#1		#2 & #3	#4	#5	#6	#2	#3	#4	#5
1	T						122	0.06	1.10	1.25	0.95	0.82	0.97	7.0	7.0	6.8				212	226			17.9
2	W						122	0.00	1.06	1.06	0.96	0.82	0.99	7.1	7.2	6.8				215	226			16.6
3	T						121	0.00	1.07	1.03		0.80	0.96	7.2	7.2						226			15.7
4	F						123	0.11	1.09	1.02		0.87	0.95	7.1	7.3						226			17.8
5	S						124	0.00	1.04	0.86		0.40	0.93	7.1	7.1						226			16.5
6	S						124	0.00	1.05	1.39		0.79	0.98	7.1	7.0						227			16.5
7	M						123	0.62	1.04	1.30		0.76	1.02	7.1	7.1						226			18.5
8	T						124	0.72	1.07	1.09		0.88	0.99	7.1	7.1						226			16.4
9	W						123	0.06	0.99	0.77		0.81	1.01	7.0	7.1						226			16.7
10	T						125	0.00	1.07	1.20		0.90	1.01	7.0	7.0						226			15.6
11	F						125	0.00	1.13	1.30		0.89	1.08	7.0	6.5						225	15		15
12	S						125	0.00	1.12	1.14		0.92	1.03	7.0	6.7						226			15.7
13	S						125	0.00	1.11	1.14		0.89	1.02	6.9	7.3						227			18.3
14	M						123	0.00	1.11	0.78		0.85	1.06	6.9	6.8						227			17.1
15	T						123	0.00	1.11	1.04		0.84	1.07	7.0	6.6						229			17.4
16	W						124	0.00	1.09	1.09		0.92	0.92	6.9	6.7						229			15.3
17	T						124	0.80	1.09	1.12		0.89	0.97	7.0	6.8						229			15.5
18	F						126	0.00	1.05	1.00		0.88	1.02	7.0	6.9						226			10.9
19	S						127	0.00	1.06	0.91		0.97	1.04	7.0	7.0						226			13.4
20	S						128	0.10	1.07	1.16		0.94	1.01	6.9	6.7						226			14.2
21	M						127	0.20	1.09	1.09		1.01	1.04	6.8	7.0						226			14.2
22	T						126	0.00	1.10	1.09		0.96	1.04	6.9	6.9						226			12.5
23	W						128	0.60	1.09	1.03		1.09	1.08	6.9	6.8						226			9.1
24	T						128	0.00	1.05	0.89		1.08	1.06	7.1	6.7						226			12
25	F						129	0.00	0.99	0.86		1.00	1.04	6.7	6.6						226			13.1
26	S						129	0.00	0.99	1.02		0.98	1.03	6.8	6.9						227			11.5
27	S						130	0.47	0.94	1.16		0.87	1.02	6.8	7.1						227			13.2
28	M						128	0.66	1.14	1.16		0.84	1.03	7.0	7.5						226			13.5
29	T						128	0.01	1.15	1.14		0.89	1.03	7.1	7.3						227			10.8
30	W						130	0.00	1.19	1.11		0.86	1.04	7.0	7.1						228			13.7
31	T						128	0.87	1.15	1.07		0.84	1.03	7.2	7.3						225			20.7
TOTAL							3892	5.28	33.40	33.27	1.91	27.26	31.47	216.7	216.3	13.6				0	427	7021	0.0	465.3
MIN							54	0.00	0.94	0.77	0.95	0.40	0.92	6.7	6.5	6.8				0	212	225	0.0	9.1
AVG							55	0.20	1.10	1.10	1.00	0.90	1.00	7.0	7.0	6.8				#DIV/0!	214	227	#DIV/0!	15
MAX							130	0.87	1.19	1.39	0.96	1.09	1.08	7.2	7.5	6.8				0	215	229	0.0	20.7



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATERSHED MANAGEMENT

DAILY WATER WITHDRAWAL/INSTREAM FLOW REQUIREMENT REPORT

WASHINGTON TWP MUNI AUTH

Franklin

WA Permit No. 478B

NAME-PUBLIC WATER SUPPLY AGENCY

COUNTY

TELEPHONE NO. (717) 762-3108

SF Permit ID 339513

Report For MONTH: October

YEAR: 2019

Joe Schorn

REPORT PREPARER NAME (print)

PREPARER SIGNATURE

SOURCE ID	8469	8470	8471	8472	36449
Day \ Name	BUENA V SPRINGS	HOOVER SPRING	BUBBLING SPRING	SULFUR SPRING	Total
1	113,500	147,300	89,500	24,000	374,300
2	118,500	150,700	92,500	26,000	387,700
3	115,500	155,000	91,500	24,000	386,000
4	116,000	158,500	92,000	24,000	390,500
5	115,000	153,800	89,000	26,000	383,800
6	114,000	152,900	90,000	24,000	380,900
7	119,500	156,100	94,500	25,000	395,100
8	111,000	140,800	87,000	24,000	362,800
9	119,500	156,400	93,500	26,000	395,400
10	113,500	152,400	86,500	27,000	379,400
11	113,000	150,300	91,000	22,000	376,300
12	114,000	151,100	90,000	24,000	379,100
13	120,000	158,100	94,000	26,000	398,100
14	115,000	150,600	91,000	24,000	380,600
15	117,000	155,700	92,000	25,000	389,700
16	113,500	149,800	88,500	25,000	376,800
17	117,500	152,400	92,500	25,000	387,400
18	109,000	148,600	85,000	24,000	366,600
19	119,500	158,800	93,500	26,000	397,800
20	112,500	146,500	87,500	25,000	371,500
21	112,000	151,700	87,000	25,000	375,700
22	116,000	153,300	90,000	26,000	385,300
23	60,000	151,200	34,000	26,000	271,200
24	124,500	155,000	99,500	25,000	404,000
25	126,000	156,000	101,000	25,000	408,000
26	121,000	152,500	96,000	25,000	394,500
27	118,500	150,600	92,500	26,000	387,600
28	122,000	151,700	95,000	27,000	395,700
29	116,500	153,100	92,500	24,000	386,100
30	120,500	150,100	94,500	26,000	391,100
31	78,500	158,000	52,500	26,000	315,000
TOTAL	3,522,500	4,729,000	2,745,500	777,000	11,774,000
AVERAGE	113,629	152,548	88,565	25,065	379,806
MAXIMUM	126,000	158,800	101,000	27,000	408,000
MINIMUM	60,000	140,800	34,000	22,000	271,200
DAYS USE	31	31	31	31	31

Return completed form to: Division of Water Use Planning, P.O. Box 8555, Harrisburg, PA 17105 - 8555



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Report For MONTH: **October**

Year: 2019

Joe Schorn

REPORT PREPARER NAME (print)

PREPARER SIGNATURE

SOURCE ID	8466R			
Day \ Name	WELL 5 IFR			
1	0.034	21,975		
2	0.019	12,280		
3	0.014	9,048		
4	0.019	12,280		
5	0.019	12,280		
6	0.022	14,219		
7	0.025	16,158		
8	0.022	14,219		
9	0.104	67,217		
10	0.055	35,548		
11	0.034	21,975		
12	0.025	16,158		
13	0.022	14,219		
14	0.022	14,219		
15	0.019	12,280		
16	0.016	10,341		
17	0.181	116,984		
18	0.181	116,984		
19	0.181	116,984		
20	0.204	131,849		
21	0.309	199,713		
22	0.309	199,713		
23	0.441	285,027		
24	0.309	199,713		
25	0.114	73,680		
26	0.085	54,937		
27	1.572	1,016,013		
28	0.669	432,387		
29	0.281	181,616		
30	0.215	138,959		
31	1.572	1,016,013		
TOTAL	7.094	4,584,987		
AVERAGE	0.229			
MAXIMUM	1.572			
MINIMUM	0.014			
DAYS USE	31			

Return completed form to: Division of Water Use Planning, P.O. Box 8555, Harrisburg, PA 17105 - 8555