

TO: WTMA Board of Directors
FROM: Joe Schorn , Water Superintendent
DATE: November 15, 2017
SUBJECT: Monthly Water Report for October 2017

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:	20,444,000	GALLONS	59,609,000	GALLONS
WATER SOLD:			30,041,000	GALLONS
EST. LOSS FROM KNOWN LEAKS:	4,432,500	GALLONS	13,505,500	GALLONS
EST. LOSS FROM FLUSHING, FIRE PROTECTION & BLOWOFFS:	980,000	GALLONS	2,430,000	GALLONS
UNACCOUNTED WATER LAST OTR:			26%	
UNACCOUNTED WATER THIS QTR:			23%	
PREVIOUS SYSTEM CONNECTIONS:			2,450	
NEW CONNECTIONS THIS MONTH:				
TOTAL SYSTEM CONNECTIONS:			2,450	
TOTAL CONNECTIONS FOR 2016/2017			16/ 20	
NEW CONNECTION LOCATIONS:				

(A.) 4 Leaks were discovered and repaired this month.

14068 Gardner Ave. (customer found) 3/4" service line was leaking in two places. Installed new shut off and meter pit.
15307 Summit Farm Drive (TWP found) 1" steel line had an 1/4" hole in it. We used repair clamp to fix the issue
12312 Charmain Lane (Aqua Tech found) 20 feet of 1 1/4" steel line was replaced due to four different leaks on this line.
14229 Old 16 (customer found) 2" steel line had two 1/4" hole in it. We used repair clamps to fix the issue

(B.) Additional Maintenance / Repair Work.

- 1.) Working nights with Ed raising sewer manholes and raising water valve boxes on rt. 16.
- 2.) All the water valves were vacuumed out and exercised while working nights on rt. 16.
- 3.) Shut offs were posted and customers were shut off for non-payment.
- 4.) All meters were read and rechecks were done for high low readings.
- 5.) Purchased confined space safety equipment and had training for the employees.
- 6.) All of WTMA water tanks were inspected by Conrady Consultant Services.
- 7.) TWP mowed all of our R/W into our locations that we visit daily.
- 8.) Replaced meters and MXU's that didn't register a reading this past quarter.
- 9.) Pulled motor off a booster pump at Hoover springs. AR&E will be working on this motor

Respectfully Submitted,



Joe Schorn
Water Superintendent
WTMA Water Dept.

DAILY WATER PRODUCTION

Oct-17

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	47.77%
ACTUAL (gpd)	180,000	54,720	213,194	249,120	345,600	154,080	1,196,714	55.21%
1	0	54	218	0	265	142	679	5 DAY AVG
2	0	43	217	0	249	146	655	
3	0	29	222	0	245	149	645	
4	0	54	215	0	274	146	689	
5	0	54	212	0	256	145	667	
6	0	49	211	0	251	147	658	667
7	0	27	216	0	257	148	648	
8	0	49	222	0	267	149	687	
9	0	27	214	0	252	147	640	
10	0	41	219	0	264	147	671	
11	0	0	204	0	244	141	589	661
12	0	56	225	0	273	151	705	
13	0	53	206	0	247	144	650	
14	0	55	218	0	275	148	696	
15	0	57	216	0	296	148	717	
16	0	55	210	0	269	144	678	671
17	0	55	210	0	273	143	681	
18	0	54	207	0	271	145	677	
19	0	55	213	0	274	147	689	
20	0	9	214	0	260	148	631	
21	0	49	210	0	269	145	673	670
22	0	54	204	0	288	139	685	
23	0	56	214	0	270	149	689	
24	0	41	210	0	258	145	654	
25	0	29	212	0	261	149	651	
26	0	56	213	0	250	142	661	670
27	0	16	214	0	258	38	526	
28	0	41	208	0	253	138	640	
29	0	55	208	0	259	141	663	
30	0	54	209	0	254	40	557	
31	0	57	218	0	274	144	693	623
MTH TOTAL	0	1384	6609	0	8156	4295	20444	MONTHLY AVERAGE
PREV TOTAL	4193	4096	60828	0	60424	40579	170120	
YTD	4193	5480	67437	0	68580	44874	190564	661
X 1000	4,193,000	5,480,000	67,437,000	0	68,580,000	44,874,000	190,564,000	660,689

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

MONTH YEAR 2017 DATE DAY	WEIR LEVEL (INCHES) Sta #1 Bv	WELL LEVEL (FT)					RAIN FALL (INCHES)	CL2 RESIDUAL					Ph						OS TEMP F	CL2 BOOSTER (PSI)					PUMP HRS	
		#2	#3	#4	#7	#7		#1	#2 & #3	#4	#5	#7	#1	#2 & #3	#4	#5	#6	#2		#3	#4	#5	#1	#7		
1	W			147	68	68	0.00	1.15		1.07	0.93	1.16	7.6	7.8			40			127	242		24.6			
2	T	0.31	0.40	64	68	68	0.00	1.16	1.18	1.18	1.46	1.22	7.5	7.8			43		222	243		23				
3	F			137	68	68	0.00	1.20	1.06	1.21	1.18	7.5	7.8			48		127	245		22.7					
4	S			65	68	68	0.00	1.15	1.19	1.20	1.10	7.5	7.8			47		222	242		25.4					
5	S			60	67	67	0.00	1.12	1.34	1.13	1.14	7.5	7.8			54		222	240		23.7					
6	M			80	78	78	0.00	1.14	1.16	1.23	1.09	7.4	7.8			62		224	247		23.3					
7	T			117	78	78	0.00	1.15	1.21	1.18	1.16	7.7	7.8			58		126	242		23.9					
8	W			64	67	67	0.08	1.13	1.23	1.18	1.10	7.8	7.9			73		224	245		24.9					
9	T	0.31	0.40	124	67	67	1.25	1.05	1.23	1.15	1.14	7.8	7.8			71		126	244		23.4					
10	F			65	69	69	0.45	1.13	1.22	1.26	1.13	7.8	7.9			66		224	244		24.6					
11	S			123	67	67	0.02	1.10	1.22	1.17	1.02	7.8	7.9			67		126	246		22.7					
12	S			140	66	66	0.87	1.11	1.22	1.09	1.14	7.8	7.9			64		126	245		24.2					
13	M			70	66	66	0.01	1.18	1.34	1.10	1.06	7.7	8.1			56		224	245		21.8					
14	T			65	65	65	0.00	1.14	1.10	1.08	1.08	7.8	7.9			59		225	244		24.3					
15	W			64	65	65	0.00	1.12	1.04	1.06	1.09	7.8	7.9			60		224	245		26.1					
16	T	0.33	0.42	66	73	73	0.13	1.21	1.10	1.09	1.01	7.8	7.8			56		225	244		23.5					
17	F			60	65	65	0.00	1.18	1.34	0.94	1.05	8.4	8.5			35		224	245		24.1					
18	S			62	65	65	0.00	1.15	1.23	1.53	1.20	8.2	8.1			38		225	244		23.9					
19	S			62	64	64	0	1.14	1.21	1.46	1.04	7.9	8.0			41		225	244		24.2					
20	M			60	64	64	0.00	1.16	1.27	1.01	1.10	7.8	7.9			44		224	240		20					
21	T			75	64	64	0.00	1.11	1.10	0.94	1.14	8.1	8.0			44		126	245		23.8					
22	W			60	74	74	0.00	1.18	1.01	1.19	1.08	7.8	8.0			49		224	245		25.3					
23	T	0.32	0.39	60	60	60	0.00	1.17	1.28	1.19	1.11	7.7	7.9			58		224	245		23.8					
24	F			60	73	73	0.83	1.15	1.39	1.12	1.00	7.7	7.8			59		224	245		23					
25	S			60	66	66	0.00	1.14	1.30	1.08	1.14	7.8	7.8			47		126	245		24.7					
26	S			60	78	78	0.00	1.09	1.33	0.82	1.17	7.9	7.9			46		224	245		23.7					
27	M			62	67	67	0.01	1.18	1.38	1.17	1.20	7.6	7.8			35		222	242		24.3					
28	T			138	66	66	0.00	1.13	1.10	0.97	1.19	7.7	7.8			44		127	60		23.8					
29	W			85	65	65	0.02	1.12	1.03	1.18	1.15	7.6	7.8			60		220	238		24.1					
30	T	0.33	0.40	62	65	65	2.58	1.09	1.11	1.13	1.20	7.6	7.8			45		220	238		23.5					
31	F			60	67	67	0.01	1.11	1.09	1.05	1.17	7.6	7.8			39		222	238		25.3					

TOTAL	1.60	2.01	0	0	2437	2103	6.27	35.34	0.00	37.08	35.32	34.76	240.2	0.0	244.6		1608	0	0	6051	7362	0.0	739.6
MIN	0.31	0.39	0	0	60	60	0.00	1.05	0.00	1.01	0.82	1.00	7.4	0.0	7.8		35	0	0	126	60	0.0	20
AVG	0.32	0.40	#DIV/0!	#DIV/0!	79	67.80	0.20	1.10	#DIV/0!	1.20	1.10	1.10	7.7	####	7.9		52	####	#DIV/0!	195	238	#DIV/0!	24
MAX	0.33	0.42	0	0	147	78	2.58	1.21	0.00	1.39	1.53	1.22	8.4	0.0	8.5		73	0	0	225	247	0.0	26.1



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT

DAILY WATER WITHDRAWAL/INSTREAM FLOW REQUIREMENT REPORT

WASHINGTON TWP MUNI AUTH

NAME-PUBLIC WATER SUPPLY AGENCY

Franklin

COUNTY

WA Permit No. 478B

TELEPHONE NO. (717) 762-3108

SF Permit ID 339513

Report For MONTH: October

YEAR: 2017

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	109,000	141,500	86,000	23,000	359,500
2	108,500	145,700	84,500	24,000	362,700
3	111,000	149,300	87,000	24,000	371,300
4	107,500	145,700	84,500	23,000	360,700
5	106,000	144,500	83,000	23,000	356,500
6	105,500	146,600	82,500	23,000	357,600
7	108,000	147,800	85,000	23,000	363,800
8	111,000	149,300	86,000	25,000	371,300
9	107,000	147,000	84,000	23,000	361,000
10	109,500	147,400	86,500	23,000	366,400
11	102,000	141,100	79,000	23,000	345,100
12	112,500	151,000	88,500	24,000	376,000
13	103,000	143,900	80,000	23,000	349,900
14	109,000	148,400	84,000	25,000	366,400
15	108,000	147,600	85,000	23,000	363,600
16	105,000	143,700	82,000	23,000	353,700
17	105,000	143,300	81,000	24,000	353,300
18	103,500	145,300	80,500	23,000	352,300
19	106,500	147,400	83,500	23,000	360,400
20	107,000	148,100	82,000	25,000	362,100
21	105,000	145,200	82,000	23,000	355,200
22	102,000	139,200	79,000	23,000	343,200
23	107,000	148,700	83,000	24,000	362,700
24	105,000	145,000	82,000	23,000	355,000
25	106,000	148,700	83,000	23,000	360,700
26	106,500	141,800	82,500	24,000	354,800
27	107,000	38,200	83,000	24,000	252,200
28	104,000	138,300	81,000	23,000	346,300
29	104,000	141,100	80,000	24,000	349,100
30	104,500	40,300	80,500	24,000	249,300
31	109,000	143,800	84,000	25,000	361,800
TOTAL	3,304,500	4,294,900	2,574,500	730,000	10,903,900
AVERAGE	106,597	138,545	83,048	23,548	351,739
MAXIMUM	112,500	151,000	88,500	25,000	376,000
MINIMUM	102,000	38,200	79,000	23,000	249,300
DAYS USE	31	31	31	31	31

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



COMMONWEALTH OF PENNSYLVANIA
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NAME-PUBLIC WATER SUPPLY AGENCY

Franklin

COUNTY

WA Permit No. 478B

TELEPHONE NO. (717) 762-3108

SF Permit ID 339513

Report For MONTH: October

Year: 2017

Joe Schorn

REPORT PREPARER NAME (print)

PREPARER SIGNATURE

SOURCE ID	8466R				
Day	Name	WELL 5 IFR			
1		0.078	50,413		
2		0.066	42,657		
3		0.066	42,657		
4		0.066	42,657		
5		0.060	38,779		
6		0.060	38,779		
7		0.055	35,548		
8		0.060	38,779		
9		1.572	1,016,013		
10		0.820	529,982		
11		0.340	219,748		
12		1.572	1,016,013		
13		1.572	1,016,013		
14		1.218	787,217		
15		1.218	787,217		
16		1.097	709,012		
17		1.097	709,012		
18		1.025	662,477		
19		1.025	662,477		
20		0.916	592,028		
21		0.916	592,028		
22		0.916	592,028		
23		1.151	743,913		
24		1.572	1,016,013		
25		1.097	709,012		
26		0.355	229,443		
27		0.240	155,117		
28		0.227	146,714		
29		0.204	131,849		
30		1.572	1,016,013		
31		1.218	787,217		
TOTAL		23.451	15,156,827		
AVERAGE		0.756			
MAXIMUM		1.572			
MINIMUM		0.055			
DAYS USE		31			

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