

**MONTHLY OPERATION REPORT OF
THE CITY OF BENTON HARBOR WATER TREATMENT PLANT**

SUPPLY NAME:

CITY OF BENTON HARBOR

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WSSN:0600

Operator-in-Charge

Abul D Ahmed

Month/Year

November 2021

F1

Signature of Operator-in-Charge

Water Plant Classification

F-1

Berrien

County

Treatment Rate and Filter Data

Maximum Treatment Rate:	1.443	Million Gallons per Day
Rated Plant Capacity:	12	Million Gallons per Day
Average Filter Run:	108.17	Hours
Average Head Loss:	NA	Feet
Average Filtration Rate:	1.67	Gallons Per Square Feet per Minute
Maximum Filtration Rate:	1.88	Gallons Per Square Feet per Minute
Average Wash Water Use:	0.62%	Percent of Treated Water

Chemical Data

Chlorine on hand:	47914	lb.	Est. supply:	104	days
Primary Coagulant (Alum (Al3+)) on hand:	37729	lb.	Est. supply:	159	days
Cost of All Chemicals per Million Gallons:	\$76.97	dollars			
Total Power Cost per Million Gallons:		dollars			

Remarks

Number of filter confluence samples > 0.3 NTU:
 Number of filter confluence samples collected:
 Percent of filter confluence samples > 0.3 NTU:
 Number of filter confluence samples > 1 NTU

	North Filter	South Filter
Number of filter confluence samples > 0.3 NTU	0	0
Number of filter confluence samples collected	90	90
Percent of filter confluence samples > 0.3 NTU	0%	0%
Number of filter confluence samples > 1 NTU	0	0

Did any individual filter exceed:

- 1.0 NTU in two consecutive measurements taken 15 minutes apart? NO
- If yes**, attach specific filter(s) information and indicate required follow-up status.
- 0.5 NTU in two consecutive measurements taken 15 minutes apart after 4 hours of operation? NO
- If yes**, attach specific filter(s) information and indicate required follow-up status.
- 1.0 NTU in two consecutive measurements taken 15 minutes apart for 3 consecutive months? NO
- If yes**, attach specific filter(s) information and indicate required follow-up status.
- 2.0 NTU in two consecutive measurements taken 15 minutes apart for 2 consecutive months? NO
- If yes**, attach specific filter(s) information and indicate required follow-up status.
- Was continuous (every 15 minutes) filter monitoring equipment off-line during the month? NO
- If yes**, indicate date(s), duration, and individual filter grab sampling frequency on a separate sheet.
- Did POE disinfectant residual fall below 0.2 ppm during the month? NO
- If yes**, indicate date(s) and duration on a separate sheet.
- Was minimum C*T credit achieved for the entire month? YES
- If no**, indicate on a separate sheet the date(s) not achieved.
- Was continuous POE chlorine residual monitoring equipment off-line during the month? NO
- If yes**, indicate date(s) and duration on a separate sheet.

HS Flow Meter	Total	30.1090	Avg	1.0036	Max	1.2350	Min	0.8330
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Remarks:

D	MIL.	Dry A12(SO3)4 Pounds Add	ALUM	TURBIDITY UNITS			#	FILTERED NORTH		#	FILTERED SOUTH		2 Hour Compliance Periods			
	GAL.		as Al3+ mg/l	Avg.	Max.	Applied Avg.		Avg.	Max.		Avg.	Max.	Avg.	Max.	# of Periods	# of Periods >.30 NTU
A	TREAT.														North	South
T																
E																
1	0.9600	295.00	1.62	4.70	4.90	0.64	3	0.09	0.10	3	0.11	0.11	6	0	0	
2	1.1500	351.00	1.61	5.30	5.90	0.87	3	0.09	0.09	3	0.11	0.12	6	0	0	
3	0.9400	290.00	1.62	6.00	6.60	1.00	3	0.08	0.09	3	0.10	0.12	6	0	0	
4	1.1625	353.00	1.60	3.50	3.60	1.40	3	0.09	0.10	3	0.10	0.11	6	0	0	
5	1.1025	336.00	1.60	3.60	3.80	0.62	3	0.08	0.09	3	0.09	0.11	6	0	0	
6	0.7525	220.00	2.35	3.00	3.30	0.58	3	0.10	0.11	3	0.12	0.13	6	0	0	
7	1.2191	369.00	1.59	6.60	13.00	0.68	3	0.09	0.10	3	0.10	0.11	6	0	0	
8	0.8666	319.00	1.94	2.90	4.80	0.62	3	0.08	0.08	3	0.09	0.09	6	0	0	
9	1.0325	310.00	1.58	2.70	4.40	0.53	3	0.08	0.08	3	0.09	0.10	6	0	0	
10	0.9175	281.00	1.61	3.40	6.20	0.49	3	0.08	0.09	3	0.10	0.10	6	0	0	
11	1.1425	346.00	1.59	1.70	2.40	0.38	3	0.10	0.11	3	0.11	0.12	6	0	0	
12	1.0575	318.00	1.58	3.40	3.80	0.56	3	0.09	0.10	3	0.09	0.10	6	0	0	
13	0.9148	278.00	1.60	3.60	4.30	0.44	3	0.10	0.11	3	0.09	0.10	6	0	0	
14	0.9592	289.00	1.59	3.80	4.10	0.65	3	0.08	0.09	3	0.09	0.09	6	0	0	
15	1.0746	325.00	1.59	4.90	6.40	0.64	3	0.08	0.09	3	0.09	0.09	6	0	0	
16	0.9384	286.00	1.60	3.90	4.50	0.63	3	0.10	0.12	3	0.09	0.09	6	0	0	
17	1.0154	307.00	1.59	4.10	4.60	0.75	3	0.09	0.10	3	0.09	0.11	6	0	0	
18	0.4893	144.00	1.55	6.10	6.10	0.59	3	0.09	0.09	3	0.10	0.10	6	0	0	
19	1.4430	439.00	1.60	10.20	17.40	1.20	3	0.10	0.13	3	0.10	0.12	6	0	0	
20	1.0091	307.00	1.60	3.60	4.50	0.59	3	0.08	0.09	3	0.10	0.11	6	0	0	
21	1.0716	326.00	1.60	3.40	4.30	0.53	3	0.08	0.08	3	0.08	0.09	6	0	0	
22	1.1075	339.00	1.61	4.10	5.50	0.50	3	0.08	0.09	3	0.09	0.10	6	0	0	
23	1.0326	325.00	1.66	4.80	4.90	0.74	3	0.08	0.10	3	0.09	0.11	6	0	0	
24	1.1025	334.00	1.59	4.40	4.80	0.73	3	0.08	0.08	3	0.10	0.11	6	0	0	
25	1.0875	334.00	1.62	5.20	9.10	0.71	3	0.09	0.09	3	0.08	0.09	6	0	0	
26	0.7675	235.00	1.62	4.50	5.50	0.62	3	0.07	0.08	3	0.09	0.10	6	0	0	
27	0.9375	287.00	1.61	6.40	11.90	0.83	3	0.08	0.09	3	0.09	0.10	6	0	0	
28	0.9550	291.00	1.60	5.10	8.10	0.84	3	0.08	0.09	3	0.10	0.11	6	0	0	
29	1.0900	338.00	1.63	5.20	9.80	0.87	3	0.07	0.08	3	0.08	0.09	6	0	0	
30	0.8369	347.00	2.18	4.20	4.80	0.77	3	0.00	0.09	3	0.09	0.09	6	0	0	
31																
Total	30.1356	9319.00	49.73	134.30	183.30	21.00	90	2	3	90	3	3	180	0	0	
Avg.	1.0045	310.63	1.66	4.48	6.11	0.70		0.08	0.09		0.10	0.10	6	0	0	
Max	1.4430	439.00	2.35	10.20	17.40	1.40		0.10	0.13		0.12	0.13	6	0	0	
Min.	0.4893	144.00	1.55	1.70	2.40	0.38		0.00	0.08		0.08	0.09	6			

CHEMICAL ANALYSES

			Total		Total		Non-Carb.								WQP	
			Hardness		Alkalinity		Hardness		Calcium		Magnesium		Chloride		Conductivity	Sulfate
D	pH		as CaCO3 mg/l		as CaCO3 mg/l		as CaCO3 mg/l		as Ca++mg/l		as Mg++mg/l		as Cl- mg/l		umhos	mg/l
A																
T	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Tap	Tap
E	29.	30.	31.	32.	33.	34.	35	36	37	38	39	40	41	42		
1	8.2	8.0	150	156	126	130	24	26	42	43	11	12	8.1	26.0	199.0	41.0
2	8.1	8.0	172	164	149	133	23	31	55	53	9	8	8.0		219.0	
3	8.4	8.1	176	158	150	130	26	28	54	52	10	7	8.1		388.0	
4	8.1	8.0	178	156	157	133	21	23	63	56	5	4	8.0		379.0	
5	8.2	8.0	152	162	132	137	20	25	43	54	11	7	8.0			
6	8.1	7.8	178	186	127	134	51	52	42	44	17	18	7.9	24.5	263.0	
7	8.1	7.8	186	192	128	132	58	60	42	44	19	20	8.0		307.0	
8	8.1	7.9	176	172	127	126	49	46	43	42	17	17	7.8		200.0	41.0
9	8.0	7.8	178	172	132	124	46	48	42	41	17	17	7.8		249.0	
10	8.0	7.9	156	150	131	126	25	24	46	48	10	7	8.0	24.5	342.0	34.0
11	8.2	8.0	152	154	121	124	31	30	43	47	11	9	8.0		334.0	
12	8.3	8.0	144	142	128	122	16	20	41	50	10	4	8.2		345.0	
13	8.2	8.0	152	150	128	127	24	23	46	47	9	8	8.2		339.0	
14	8.3	8.1	152	156	137	126	15	30	47	50	8	8	8.1		343.0	
15	8.1	8.0	160	156	131	124	29	32	42	46	13	10	8.0	26.0	344.0	40.0
16	8.0	7.9	148	154	128	129	20	25	42	49	11	8	7.9		358.0	
17	8.2	8.0	168	154	138	129	30	25	45	43	14	11	8.2		351.0	
18	8.2	8.0	166	162	142	133	24	29	50	49	10	10	0.0		345.0	
19	8.2	8.0	160	162	137	133	23	29	49	55	9	6	8.1		381.0	
20	8.3	8.1	158	156	136	131	22	25	50	49	8	8	8.2		354.0	
21	8.2	8.2	152	156	131	129	21	27	46	49	9	8	8.2		347.0	
22	8.2	8.1	150	154	132	125	18	29	42	43	11	11	8.1	23.5	369.0	
23	8.2	8.2	148	152	126	124	22	28	43	44	10	10	8.2		315.0	40.0
24	8.1	7.8	196	178	143	123	53	55	45	43	20	17	7.9		197.0	
25	8.0	7.6	192	184	137	125	55	59	46	47	19	16	7.8		360.0	
26	8.0	7.7	188	180	131	127	57	53	44	42	19	18	7.8	25.5	345.0	
27	8.0	7.7	212	182	138	126	74	56	51	43	20	18	7.7		360.0	
28	8.0	7.8	194	178	144	129	50	49	43	42	21	18	7.8		389.0	
29	8.0	7.9	164	172	128	137	36	35	42	46	15	14	7.9		363.0	41.0
30	8.1	8.0	176	166	146	133	30	33	53	51	11	10	8.0		360.0	
31																
Avg.	8.1	7.9	167.8	163.9	134.7	128.7	33.1	35.2	46.1	47.1	12.8	11.3	7.7	25.0	325.7	39.5
Max	8.4	8.2	212.0	192.0	157.0	137.0	74.0	60.0	63.0	56.0	21.0	20.0	8.2	26.0	389.0	41.0
Min.	8.0	7.6	144.0	142.0	121.0	122.0	15.0	20.0	41.0	41.0	5.0	22.0	0.0	23.5	197.0	34.0

WSSN 0600 MONTH/YEAR **November 2021**

FLUORIDATION AND CHLORINATION

D A T E	Fluoride Analysis				Chlorine Application								TAP RESIDUAL		
	Fluoride		mg/l		INTAKE		Pre Treat	Raw Line	FILTERED		Total NaOCl Use		Free from SCADA		
	Applied				PPD	applied	PPD	applied	PPD	applied	PPD	applied	Demand	Free	Total
	as Fmg/l	Raw	Tap	Dist.		mg/l		mg/l		mg/l		mg/l	mg/L	mg/l	mg/l
1	0.66	0.26	0.75		0	0.00	316	4.91	56	0.87	372	4.08	1.50	1.09	2.58
2	0.77		0.71		0	0.00	386	5.01	40	0.52	426	4.79	2.67	1.02	2.12
3	0.86		0.70	0.54	0	0.00	366	5.81	42	0.67	408	4.64	2.70	1.12	1.94
4	0.78		0.65		0	0.00	468	6.01	59	0.76	527	5.72	3.34	1.04	2.38
5	0.74		0.62		0	0.00	441	5.97	52	0.70	493	5.18	3.13	1.22	2.05
6	0.63		0.64		0	0.00	307	6.09	31	0.61	338	3.80	2.03	1.44	1.77
7	0.70		0.52		0	0.00	480	5.88	55	0.67	535	4.93	2.77	1.30	2.16
8	0.56		0.54		0	0.00	391	6.74	33	0.57	424	4.93	2.96	1.69	1.97
9	0.78		0.51		0	0.00	343	4.96	35	0.51	378	4.45	1.70	1.98	2.75
10	0.79	0.22	0.51	0.27	0	0.00	298	4.85	36	0.59	334	3.59	1.16	1.77	2.43
11	0.78		0.49		0	0.00	365	4.77	46	0.60	411	4.46	2.40	1.68	2.06
12	0.93	0.19	0.45		0	0.00	339	4.79	39	0.55	378	4.35	1.93	1.25	2.42
13	0.78		0.49		0	0.00	290	4.73	32	0.52	322	3.79	1.57	1.52	2.22
14	0.72		0.67		0	0.00	304	4.73	40	0.62	344	4.05	1.66	1.45	2.39
15	0.89	0.17	0.75		0	0.00	349	4.85	33	0.46	382	4.56	2.59	1.43	1.97
16	0.78		0.77		0	0.00	307	4.88	37	0.59	344	4.05	2.05	1.38	2.00
17	0.84		0.80	0.15	0	0.00	330	4.85	41	0.60	371	4.37	2.24	1.42	2.13
18	0.74		0.64		0	0.00	174	5.31	29	0.88	203	3.16	1.95	1.07	1.21
19	0.62		0.67		0	0.00	517	5.35	95	0.98	612	5.33	3.50	1.00	1.83
20	0.73		0.62		0	0.00	316	4.67	88	1.30	404	4.29	1.96	1.15	2.33
21	0.79		0.52		0	0.00	339	4.72	49	0.68	388	4.17	1.36	1.31	2.81
22	0.89	0.24	0.54		0	0.00	325	4.38	21	0.28	346	3.63	1.55	1.51	2.08
23	0.82		0.67		0	0.00	311	4.50	32	0.46	343	3.85	1.73	1.52	2.12
24	0.63	0.26	0.90	0.72	0	0.00	342	4.63	61	0.83	403	4.53	2.41	1.46	2.12
25	0.77		0.92		0	0.00	344	4.72	58	0.80	402	4.52	2.25	1.39	2.27
26	0.66		0.66		0	0.00	233	4.53	39	0.76	272	3.13	1.04	1.45	2.09
27	0.70		0.74		0	0.00	275	4.38	54	0.86	329	3.46	1.12	1.40	2.34
28	0.38		0.72		0	0.00	304	4.75	48	0.75	352	3.95	1.24	1.34	2.71
29	0.79	0.34	0.77		0	0.00	342	4.68	22	0.30	364	3.95	1.80	1.30	2.15
30	0.95		0.71		0	0.00	348	6.21	48	0.86	396	4.50	2.22	1.44	2.28
31															
Avg.	0.75	0.24	0.66	0.42	0.00	0.00	341.67	5.09	45.03	0.67	386.70	4.27	2.08	1.37	2.19
Max	0.95	0.34	0.92	0.72	0.00	0.00	517.00	6.74	95.00	1.30	612.00	5.72	3.50	1.98	2.81
Min.	0.38	0.17	0.45	0.15	0.00	0.00	174.00	4.38	21.00	0.28	203.00	3.13	1.04	1.00	1.21

MONTH/YEAR

November 2021

BACTERIOLOGICAL AND PHYSICAL PARAMETERS

D A T E	PLANT TAP		Standard Plate Count		Raw	Tap
	No. of Samples	Colilert P/A	Raw	Tap	TEMP. °C	TEMP. °C
1	1	A	154	0	13	14.0
2	1	A	121	0	12	13.0
3	1	A	167	0	12	13.0
4	1	A	107	0	13	13.0
5	1	A	61	1	13	13.0
6	1	A	2	1	13	12.5
7	1	A	93	0	13	12.5
8	1	A	79	0	13	13.5
9	1	A	31	0	13	13.5
10	1	A	46	0	13	14.0
11	1	A	66	0	14	14.0
12	1	A	28	0	13	14.0
13	1	A	29	0	13	14.0
14	1	A	14	1	13	14.0
15	1	A	30	0	13	13.5
16	1	A	53	0	11	13.0
17	1	A	25	0	11	12.0
18	1	A	23	0	12	12.0
19	1	A	18	0	12	12.0
20	1	A	25	0	11	12.0
21	1	A	20	0	11	12.0
22	1	A	17	4	10	11.0
23	1	A	19	0	9	11.0
24	1	A	46	0	9	10.0
25	1	A	33	3	10	10.0
26	1	A	19	0	9	9.5
27	1	A	10	0	9	10.5
28	1	A	43	0	9	9.0
29	1	A	21	0	4	5.0
30	1	A	27	0	8	9.0
31						
AVG.	1	A	44	0	11	12
Max			167	4	14	14
Min			2	0	4	5

MONTH/YEAR

November 2021

Distrubution Flow and Corrosion Treatment

D A T E	Ortho P System					Distribution Flow and Corrosion Treatment			
	City Hall	Wolfs	Bait Shed	Sunny Spot	B&Z	High Service		PO4	Tap Ortho P
	Ortho P	Ortho P	Ortho P	Ortho P	Ortho P	Meter	Lbs PO4	Applied	Residual
	Residual	Residual	Residual	Residual	Residual	MGD		mg/L	mg/L
1						0.9600	114.0	4.70	4.24
2						1.1290	103.0	3.61	4.06
3	3.56	3.72	3.86	3.20	3.26	0.9390	112.0	4.72	4.02
4						1.2350	143.0	4.58	4.22
5						0.9810	116.0	4.68	3.86
6						1.0150	120.0	4.68	4.06
7						0.9490	111.0	4.63	3.32
8						0.9290	65.0	2.77	3.78
9						1.0900	126.0	4.57	3.24
10	4.18	3.30	3.80	3.34	3.32	0.9250	105.0	4.49	4.10
11						1.0600	122.0	4.55	3.54
12						0.9760	117.0	4.74	3.66
13						0.9250	125.0	5.35	3.32
14						0.8970	108.0	4.76	4.40
15						1.1010	129.0	4.64	4.12
16						0.9110	109.0	4.73	4.24
17	4.46	4.02	3.60	3.94	3.60	1.0180	120.0	4.66	4.46
18						1.0460	136.0	5.14	4.88
19						0.9570	118.0	4.88	4.42
20						0.9920	119.0	4.75	4.64
21						1.0320	125.0	4.79	4.62
22						0.9830	150.0	6.04	4.72
23						1.0760	92.0	3.38	4.64
24	3.84	3.86	3.48	3.54	5.36	1.0970	133.0	4.80	4.18
25						1.0090	121.0	4.75	3.80
26						0.8880	108.0	4.81	3.64
27						0.8330	119.0	5.65	3.70
28						0.9640	111.0	4.56	3.90
29						1.0440	120.0	4.55	4.16
30						1.1480	95.0	3.27	3.64
31									
Totals						30.1090	3492.0		
AVG.	4.01	3.73	3.69	3.51	3.89	1.0036	116.4	4.60	4.05
Max	4.46	4.02	3.86	3.94	5.36	1.2350	150.0	6.04	4.88
Min	3.56	3.30	3.48	3.20	3.26	0.8330	65.0	2.77	3.24

CITY OF BENTON HARBOR

DISTRIBUTION SYSTEM MONITORING

WSSN 0600

November 2021

Chlorine Residual at Bacteriological Monitoring Stations, mg/l

DATE	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l									
	City Hall	Wolf Marine	Bait Shed	Sunny Spot	B & Z					
	1	2	3	4	5	6	7			
1										
2										
3	1.03	0.98	0.86	0.37	0.62					
4										
5										
6										
7										
8										
9										
10	1.72	1.61	1.56	1.21	0.57					
11										
12										
13										
14										
15										
16										
17	1.35	1.24	1.47	0.58	0.71					
18										
19										
20										
21										
22										
23										
24	1.22	1.38	1.26	0.74	1.06					
25										
26										
27										
28										
29										
30										
31										

DISTRIBUTION SAMPLES -- BACTERIOLOGICAL SUMMARY

Total number of routine distribution samples analyzed
 Total number of positive routine distribution samples
 Total number of routine distribution samples required
 Average Free Chlorine Residuals, mg/L
 Total number of check samples
 Total number of positive check samples

20		
0		
10	Max	Min
1.08	1.72	0.37
0		
0		

DATE	Peak HS Flow GPM	HS Suction Well Depth Feet	In Use %	Minimum Chlorine Residual mg/L	pH	Temperature °C	CT	CTR	M/R	Inactivation log
1	6000	11.8	100%	1.09	8.0	22.0	97.3	47.4	2.1	4.1
2	6000	11.5	100%	1.02	8.0	19.5	87.2	55.8	1.6	3.1
3	6000	11.4	100%	1.12	8.1	16.5	94.4	72.0	1.3	2.6
4	6000	11.4	100%	1.04	8.0	15.5	87.6	73.8	1.2	2.4
5	6000	11.6	100%	1.22	8.0	16.0	105.9	73.0	1.4	2.9
6	6000	10.7	100%	1.44	7.8	17.0	108.8	65.2	1.7	3.3
7	6000	12.7	100%	1.30	7.8	19.0	130.6	55.9	2.3	4.7
8	6000	11.9	100%	1.69	7.9	19.5	153.0	58.2	2.6	5.3
9	6000	11.4	100%	1.98	7.8	20.0	166.9	55.6	3.0	6.0
10	6000	11.6	100%	1.77	7.9	21.0	153.6	52.8	2.9	5.8
11	6000	12.0	100%	1.68	8.0	21.0	154.1	54.2	2.8	5.7
12	6000	12.9	100%	1.25	8.0	21.5	128.7	50.1	2.6	5.1
13	6000	12.8	100%	1.52	8.0	21.5	154.6	51.5	3.0	6.0
14	6000	12.9	100%	1.45	8.1	22.0	149.3	51.1	2.9	5.8
15	6000	12.8	100%	1.43	8.0	23.0	145.5	46.0	3.2	6.3
16	6000	12.7	100%	1.38	7.9	23.0	138.7	44.3	3.1	6.3
17	6000	12.6	100%	1.42	8.0	23.0	140.9	46.0	3.1	6.1
18	6000	8.5	100%	1.07	8.0	22.0	51.5	47.2	1.1	2.2
19	6000	11.4	100%	1.00	8.0	21.0	84.3	50.1	1.7	3.4
20	6000	11.4	100%	1.15	8.1	18.5	96.9	62.9	1.5	3.1
21	6000	11.5	100%	1.31	8.2	18.0	112.0	68.7	1.6	3.3
22	6000	11.8	100%	1.51	8.1	19.0	134.8	63.3	2.1	4.3
23	6000	11.8	100%	1.52	8.2	18.0	135.7	70.2	1.9	3.9
24	6000	11.7	100%	1.46	7.8	16.5	128.5	67.7	1.9	3.8
25	6000	12.2	100%	1.39	7.6	16.0	131.0	64.9	2.0	4.0
26	6000	12.8	100%	1.45	7.7	17.0	147.5	63.1	2.3	4.7
27	6000	11.8	100%	1.40	7.7	18.0	125.0	58.6	2.1	4.3
28	6000	12.0	100%	1.34	7.8	18.0	123.0	60.2	2.0	4.1
29	6000	11.8	100%	1.30	7.9	18.5	116.0	59.9	1.9	3.9
30	6000	12.4	100%	1.44	8.0	18.5	139.3	62.9	2.2	4.4
31										

AVG	6000	11.86	1			19.3	124.1	58.4	2.2	4.4
MAX	6000	12.9	1			23.0	166.9	73.8	3.2	6.3
MIN	6000	8.5	1			15.5	51.5	44.3	1.1	2.2

WORST CASE SCENARIO:	Peak Flow, Minimum Clearwell Depth, Minimum Tap Chlorine Residual
DATE:	11/18/2021
ACTUAL C*T:	51.5
REQUIRED C*T:	47.2