

DIVISION OF PUBLIC WATER SUPPLIES

MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REP
ON
FOR MONTH OF July 2017
South Sangamon Water Commission

Date	Time Meter Read	Hours Filter Ran	Pumping Totals										Chemical Test										Membrane Integrity Test																																				
			UF					Raw					Pre Filter					Post Filter					Post IEX					Finished					PC4 3-	Bank 1	Bank 2	Bank 3																							
			Total Gallons Filtered (M gal)	Water Treated (M gal)	Plant Water (M gal)	pH	Temp deg. C	Total Alk. mg/L	Total Hard. mg/L	Total Fe mg/L	Total Mn mg/L	Tot Fe mg/L	Tot Mn mg/L	Sol Mn mg/L	Total Fe mg/L	Total Mn mg/L	Mem Turb. NTU	Total Fe mg/L	Total Mn mg/L	pH	Total Alk. mg/L	Total Hard. mg/L	Total Fe mg/L	Total Mn mg/L	Total F mg/L	Dist. Cires F = Free T = Total																																	
1	7:00	20.2	1,586	1,472	1,336	0.000	7.41	14.7	290	372	0.99	0.231	0.382	0.036	0.031	0.12	7.84	270	108	0.01	0.014	0.79	1.3	1.4	1.41																																		
2	7:00	21.9	1,946	1,784	1,572	0.017	7.39	14.7	296	374	1.12	0.203	0.385	0.020	0.028	0.14	7.80	272	116	0.01	0.008	0.90	1.2	1.4	1.69																																		
3	7:00	19.0	1,637	1,509	1,367	0.017	7.38	14.7	292	378	0.99	0.201	0.368	0.029	0.028	0.14	7.76	280	110	0.00	0.010	0.71	1.2	1.4	1.35																																		
4	7:00	21.5	1,970	1,819	1,600	0.018	7.36	15.2	292	378	1.02	0.225	0.370	0.033	0.026	0.13	7.79	272	120	0.01	0.012	0.73	1.3	1.4	1.51																																		
5	7:00	19.6	1,777	1,648	1,524	0.013	7.48	15.0	296	370	1.88	0.211	0.390	0.035	0.039	0.16	7.85	280	100	0.00	0.010	0.80	1.2	1.4	1.32																																		
6	7:00	20.3	1,780	1,656	1,447	0.004	7.42	15.1	290	378	1.16	0.231	0.305	0.042	0.030	0.12	7.79	278	108	0.00	0.014	0.80	1.3	1.4	1.26																																		
7	7:00	14.8	1,219	1,113	0.989	0.017	7.39	14.9	296	378	1.06	0.218	0.377	0.037	0.036	0.14	7.84	280	110	0.01	0.015	0.81	1.3	1.5	1.43																																		
8	7:00	22.2	1,809	1,666	1,514	0.018	7.42	14.7	296	370	1.41	0.209	0.350	0.029	0.032	0.21	7.91	284	104	0.01	0.014	0.75	1.3	1.4	1.30																																		
9	7:00	21.6	1,785	1,643	1,539	0.012	7.42	15.1	292	378	1.09	0.220	0.297	0.086	0.084	0.13	7.79	292	118	0.00	0.024	0.80	1.2	1.5	1.21																																		
10	7:00	21.7	2,048	1,888	1,595	0.010	7.55	15.2	292	378	1.04	0.191	0.394	0.032	0.037	0.11	7.86	278	110	0.00	0.014	0.79	1.3	1.4	1.41																																		
11	7:00	20.6	1,969	1,833	1,661	0.017	7.50	15.7	290	388	1.07	0.200	0.389	0.020	0.034	0.14	7.90	270	110	0.02	0.016	0.84	1.2	1.3	1.39																																		
12	7:00	19.3	1,771	1,644	1,440	0.017	7.38	15.6	292	366	1.87	0.204	0.295	0.017	0.023	0.13	7.84	270	100	0.02	0.007	0.87	1.1	1.2	1.39																																		
13	7:00	15.2	1,345	1,225	1,173	0.011	7.44	14.8	294	380	1.07	0.211	0.357	0.025	0.031	0.20	7.51	282	108	0.01	0.017	0.78	1.1	1.2	1.45																																		
14	7:00	21.5	1,918	1,777	1,571	0.014	7.49	15.2	290	355	1.02	0.203	0.317	0.027	0.037	0.11	7.60	276	108	0.01	0.008	0.71	1.2	1.3	1.39																																		
15	7:00	18.7	1,635	1,543	1,319	0.009	7.43	14.8	296	358	0.62	0.212	0.398	0.035	0.111	0.11	7.80	274	104	0.01	0.016	0.77	1.2	1.4	1.31																																		
16	7:00	20.0	1,821	1,653	1,491	0.018	7.45	14.4	290	374	0.93	0.222	0.379	0.036	0.031	0.22	7.77	278	104	0.01	0.019	0.77	1.3	1.4	1.30																																		
17	7:00	21.0	1,883	1,756	1,561	0.018	7.47	15.0	292	360	1.31	0.232	0.381	0.033	0.030	0.12	7.70	262	100	0.00	0.017	0.79	1.2	1.3	1.26																																		
18	7:00	20.9	1,844	1,705	1,524	0.014	7.30	14.5	292	354	0.77	0.213	0.393	0.031	0.032	0.14	7.52	274	104	0.00	0.019	0.76	1.1	1.3	1.39																																		
19	7:00	16.2	1,427	1,336	1,171	0.005	7.46	15.2	292	368	1.36	0.212	0.365	0.026	0.024	0.15	7.85	294	110	0.01	0.010	0.71	1.2	1.4	1.43																																		
20	7:00	18.3	1,607	1,494	1,316	0.017	7.44	15.2	292	370	1.22	0.229	0.385	0.038	0.038	0.12	7.80	260	110	0.01	0.019	0.98	1.2	1.4	1.39																																		
21	7:00	19.8	1,811	1,648	1,505	0.018	7.47	15.1	292	378	0.93	0.223	0.379	0.032	0.032	0.15	7.80	278	118	0.01	0.015	0.79	1.2	1.4	1.37																																		
22	7:00	20.9	1,824	1,710	1,499	0.014	7.47	15.1	292	360	1.07	0.227	0.373	0.040	0.031	0.13	7.79	270	112	0.01	0.016	0.90	1.2	1.4	1.29																																		
23	7:00	19.2	1,796	1,667	1,497	0.018	7.48	15.3	292	370	1.07	0.225	0.382	0.027	0.028	0.10	7.80	272	110	0.01	0.014	0.81	1.2	1.3	1.62																																		
24	7:00	18.6	1,754	1,614	1,468	0.009	7.44	14.9	292	372	1.10	0.224	0.386	0.042	0.043	0.14	7.78	278	120	0.01	0.015	0.74	1.2	1.3	1.28																																		
25	7:00	18.1	1,680	1,567	1,398	0.018	7.46	14.6	292	384	1.10	0.237	0.368	0.033	0.030	0.24	7.78	286	124	0.01	0.014	0.74	1.2	1.3	1.18																																		
26	7:00	18.1	1,546	1,414	1,267	0.009	7.47	14.7	294	376	1.26	0.225	0.368	0.035	0.028	0.13	7.79	272	122	0.01	0.016	0.77	1.2	1.4	1.32																																		
27	7:00	17.8	1,478	1,385	1,227	0.013	7.46	14.9	290	374	1.16	0.233	0.378	0.030	0.033	0.11	7.96	264	120	0.01	0.014	0.81	1.2	1.3	1.33																																		
28	7:00	15.2	1,248	1,164	1,042	0.015	7.63	15.0	290	372	1.03	0.218	0.412	0.029	0.025	0.15	7.98	264	110	0.01	0.013	0.77	1.2	1.4	1.14																																		
29	7:00	18.9	1,546	1,422	1,312	0.009	7.50	14.7	292	368	0.99	0.225	0.372	0.029	0.034	0.11	7.97	268	118	0.01	0.013	0.78	1.2	1.4	1.30																																		
30	7:00	20.2	1,628	1,519	1,336	0.011	7.52	15.0	292	370	1.67	0.233	0.376	0.025	0.030	0.11	8.01	264	120	0.01	0.013	0.72	1.2	1.3	1.24																																		
31	7:00	16.0	1,245	1,191	1,040	0.016	7.52	14.9	292	372	1.25	0.240	0.384	0.043	0.033	0.15	7.96	270	120	0.01	0.015	0.77	1.2	1.3	1.43																																		
Total			433.30			7.52			292			372			1.25			0.240			0.384			0.043			0.033			0.15			7.96			270			120			0.01			0.015			0.77			1.2			1.3			1.43		
Max			1.66																																																								
Min			0.99																																																								
Ave.			1.40																																																								
Enter Final Reading Last Month																																																											
METER LOCATION:																																																											
POINT OF APPLICATION:																																																											
METER LOCATION:																																																											
1. 12.5 % Chlorine Solution Fed																																																											
2. 23 % Fluoride Solution Fed																																																											
3. 40 % Bisulfite Solution Fed																																																											
4. 33 % Phosphate Solution Fed																																																											
5. 20 % Sodium Permanganate Fed																																																											

I certify that the information in this report is complete and accurate to the best of my knowledge
Reported by: _____
Bacterials Sent: _____
Date: _____

CHLORINATION
Type of Chlorine Used
Chlorine Gas
Calcium Hypochlorite _____ %
Sodium Hypochlorite 12.5 %
Chlorine Test Kit Used: _____

FLUORIDATION
Type of Fluoride Used
Hydrofluosilicic Acid 23 %F
Sodium Fluoride _____ %F
Other _____
Type of Test Instrument Used: _____

Membrane Integrity Test
Post Filter