

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPC
ON South Sangamon Water Commission
FOR MONTH OF October 2017

Date	Time (Hour)	Pumpkin Totals			Plant Water (M gal)	Temp (deg. C)	Raw			Pre-Filter			Post-Filter			Post-IX			Finished			Membrane Integrity Test			
		Filter	Waste	Water			Total Alk. mg/L	Total Hard. mg/L	Total Fe mg/L	Total Mn mg/L	Total Turb. mg/L	Total Fe mg/L	Total Mn mg/L	Total Turb. mg/L	Total Fe mg/L	Total Mn mg/L	Total Turb. mg/L	Total Hard. mg/L	Total Fe mg/L	Total Mn mg/L	Total Turb. mg/L	Total Fe mg/L	Total Mn mg/L	Total Turb. mg/L	Bank 1
1	7:00	20.3	1.672	1.515	1.391	0.014	7.42	14.8	292	370	0.89	0.224	0.302	0.041	0.036	0.09	7.86	260	110	0.00	0.015	0.08	1.4	1.6	1.30
2	7:00	19.6	1.642	1.516	1.373	0.004	7.44	15.4	290	350	0.62	0.220	0.377	0.042	0.026	0.23	7.81	262	100	0.00	0.014	0.02	1.4	1.6	1.30
3	7:00	21.7	1.867	1.734	1.561	0.018	7.51	15.1	292	342	0.66	0.214	0.367	0.032	0.019	0.17	7.83	266	92	0.00	0.006	0.51	1.5	1.6	1.32
4	7:00	21.1	1.893	1.749	1.572	0.019	7.30	15.0	284	348	0.67	0.227	0.418	0.063	0.050	0.13	7.69	278	120	0.00	0.014	0.79	1.5	1.6	1.14
5	7:00	19.8	1.794	1.659	1.480	0.008	7.43	14.9	292	354	0.91	0.227	0.394	0.042	0.053	0.09	7.84	272	110	0.00	0.013	0.80	1.4	1.6	1.15
6	7:00	17.9	1.536	1.434	1.305	0.004	7.47	16.0	282	350	0.88	0.228	0.396	0.064	0.040	0.14	7.83	282	110	0.00	0.015	1.01	1.4	1.6	1.35
7	7:00	15.3	1.119	1.068	0.865	0.014	7.47	14.8	296	352	0.71	0.217	0.401	0.086	0.078	0.08	7.82	280	119	0.01	0.021	0.67	1.4	1.6	1.20
8	7:00	13.4	1.170	1.007	0.962	0.003	7.48	15.1	296	370	0.68	0.214	0.378	0.062	0.065	0.11	7.80	280	120	0.01	0.020	0.81	1.4	1.6	1.14
9	7:00	21.0	1.770	1.664	1.437	0.015	7.37	14.9	296	364	0.74	0.219	0.382	0.064	0.049	0.10	7.80	290	112	0.01	0.017	0.88	1.5	1.7	1.19
10	7:00	18.5	1.508	1.403	1.233	0.018	7.38	14.9	294	360	0.74	0.220	0.383	0.058	0.060	0.10	7.79	280	122	0.01	0.035	0.89	1.4	1.6	1.28
11	7:00	12.0	0.929	0.899	0.742	0.004	7.34	14.6	296	370	0.85	0.222	0.385	0.087	0.076	0.10	7.82	280	110	0.01	0.020	0.81	1.4	1.7	1.30
12	7:00	14.4	1.273	1.117	1.058	0.014	7.42	14.7	296	366	0.49	0.219	0.353	0.073	0.066	0.10	7.86	290	122	0.01	0.023	0.35	1.4	1.6	0.20
13	7:00	11.6	0.971	0.904	0.795	0.004	7.36	14.5	288	364	0.69	0.214	0.381	0.075	0.070	0.11	7.85	286	120	0.00	0.025	0.95	1.5	1.7	1.07
14	7:00	19.6	1.601	1.503	1.315	0.014	7.37	15.1	292	370	0.72	0.226	0.368	0.069	0.062	0.11	7.82	282	120	0.00	0.024	0.87	1.4	1.6	0.97
15	7:00	19.1	1.588	1.465	1.322	0.017	7.43	14.7	292	374	0.78	0.220	0.381	0.065	0.059	0.08	7.81	282	120	0.00	0.021	0.85	1.4	1.6	1.23
16	7:00	17.2	1.359	1.254	1.111	0.005	7.42	14.4	294	370	1.01	0.218	0.364	0.061	0.058	0.10	7.82	290	120	0.00	0.018	0.92	1.4	1.6	1.04
17	7:00	12.1	0.912	0.797	0.750	0.013	7.47	14.3	296	364	0.62	0.216	0.381	0.076	0.063	0.10	7.83	282	120	0.01	0.024	0.85	1.4	1.7	1.06
18	7:00	17.0	1.309	1.216	1.090	0.005	7.45	15.1	290	370	0.65	0.218	0.385	0.070	0.067	0.08	7.81	290	116	0.00	0.025	0.86	1.4	1.7	1.22
19	7:00	17.5	1.288	1.158	1.018	0.018	7.40	15.1	294	368	0.77	0.218	0.365	0.055	0.051	0.08	7.92	276	110	0.00	0.023	0.87	1.3	1.6	1.28
20	7:00	17.3	1.253	1.142	1.037	0.004	7.38	15.2	296	370	0.85	0.221	0.424	0.060	0.049	0.08	7.85	282	112	0.01	0.023	0.70	1.3	1.6	1.19
21	7:00	18.1	1.331	1.224	1.044	0.014	7.35	15.0	290	370	0.99	0.229	0.376	0.062	0.047	0.09	7.80	280	120	0.01	0.018	0.84	1.3	1.6	0.83
22	7:00	17.7	1.351	1.221	1.105	0.016	7.42	15.0	298	366	0.79	0.235	0.375	0.057	0.056	0.09	7.85	280	118	0.01	0.025	0.84	1.4	1.6	1.14
23	7:00	16.5	1.250	1.159	1.025	0.002	7.38	14.5	292	374	0.85	0.222	0.390	0.069	0.072	0.10	7.86	280	120	0.01	0.022	0.94	1.5	1.7	1.31
24	7:00	17.6	1.355	1.255	1.104	0.018	7.38	14.3	292	372	0.87	0.243	0.366	0.048	0.045	0.10	7.91	286	112	0.01	0.019	0.93	1.4	1.5	1.22
25	7:00	13.7	1.011	0.939	0.848	0.000	7.36	14.6	290	374	0.71	0.222	0.377	0.062	0.066	0.11	7.78	282	114	0.01	0.020	0.90	1.4	1.7	1.10
26	7:00	15.5	1.220	1.076	0.993	0.018	7.41	14.9	292	370	0.71	0.223	0.360	0.067	0.052	0.10	7.81	276	114	0.01	0.026	0.87	1.4	1.6	1.10
27	7:00	14.9	1.138	1.052	0.978	0.000	7.45	14.2	290	364	0.67	0.227	0.381	0.069	0.059	0.12	7.86	272	110	0.01	0.023	0.88	1.5	1.7	1.39
28	7:00	15.4	1.209	1.087	0.961	0.017	7.42	13.8	296	364	0.64	0.225	0.369	0.071	0.061	0.09	7.92	280	118	0.00	0.025	0.95	1.4	1.6	1.07
29	7:00	15.4	1.168	1.072	0.986	0.000	7.39	14.4	292	362	0.77	0.229	0.400	0.050	0.048	0.12	7.86	284	108	0.00	0.020	0.82	1.4	1.6	1.16
30	7:00	16.2	1.238	1.156	1.044	0.019	7.42	13.9	282	364	0.69	0.226	0.380	0.059	0.053	0.10	7.87	286	116	0.01	0.021	0.95	1.4	1.6	1.08
31	7:00	16.2	1.188	1.091	0.968	0.004	7.38	14.1	292	364	0.62	0.234	0.393	0.070	0.062	0.09	7.86	274	110	0.01	0.024	0.88	1.4	1.6	1.13
Total					34.63																				
Max																									
Min																									
Avg.																									

Enter Final Reading Last Month: _____

POINT OF APPLICATION: _____

METER LOCATION: _____

I certify that the information in this report is complete and accurate to the best of my knowledge Reported by: _____ Cert or Req: _____

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
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. _____ %
Sodium Fluoride _____ %
Other _____
Type of Test Instrument Used: _____