

South Sangamon Water Commission - IL 1670080
November 2021

Date	Time Meter Read	Hours Filter Ran	Pumping Totals					Chemicals Applied										UF Filters				Softeners					Regeneration										
			Raw Well Prod. (M gal)	UF Filtered (M gal)	Plant Water (M gal)	HS Pumpage (M gal)	Lagoon Effluent Pumpage (M gal)	Sodium Permanganate		Sodium Bisulfite BW		Sodium Hypochlorite		Ammonium Sulfate		Fluorosilicic Acid		Phosphate		Sodium Bisulfite Pond		Hours since previous backwash	Wash Water Gal. (M gal)	Water Softened Gal. (M gal)	Water Bypassed Gal. (M gal)	Each day indicate total number of hours since previous regeneration. If regeneration at mid-day, indicate hours previous/hours following.				Salt Used lbs.	Washed Water Gal.						
								Am't Used lbs.	Calc mg/l as NaMnO4	Am't Used lbs.	Calc mg/l	Am't Used lbs.	Calc mg/l as Cl	Am't Used lbs.	Calc mg/l as NH3	Am't Used lbs.	Calc mg/l as F	Am't Used lbs.	Calc mg/l as PO4	Am't Used lbs.	Calc mg/l					1	2	3	4								
			Bank #				1	2	3	4																											
1	7:00	17.0	1.548	1.138	0.017	1.237	0.069	32	0.49	0.00	362	4.77	123	2.59	39	0.72	65	2.08	16	11.06	0.66	0.66	0.66	0.66	0.055	0.744	0.394	10.0	57.0	62.0	6843	32550					
2	7:00	16.2	1.495	1.364	0.017	1.197	0.097	31	0.49	0.00	334	3.67	116	2.04	36	0.69	5	0.17	15	7.40	0.66	0.66	0.66	0.66	0.078	0.892	0.472	28.0	31.0	24.0	30.0	9124	43400				
3	7:00	13.9	1.311	1.268	0.009	1.039	0.083	27	0.49	0.00	348	4.11	116	2.19	38	0.83	8	0.30	17	9.87	0.66	0.66	0.66	0.66	0.073	0.829	0.439	19.0	40.0			4562	21700				
4	7:00	17.2	1.548	1.235	0.016	1.233	0.085	32	0.49	0.00	318	3.86	110	2.14	35	0.65	16	0.51	11	6.18	0.66	0.66	0.66	0.66	0.071	0.807	0.428	28.0		55.0	37.0	6843	32550				
5	7:00	15.9	1.417	1.233	0.018	1.123	0.080	29	0.49	0.00	340	4.13	115	2.24	38	0.77	0	0.00	17	10.17	0.66	0.66	0.66	0.66	0.061	0.806	0.427	30.0	43.0	16.0	35.0	9124	43400				
6	7:00	14.5	1.284	1.277	0.009	1.018	0.080	26	0.49	0.00	440	5.16	143	2.69	47	1.05	10	0.39	19	11.42	0.66	0.66	0.66	0.66	0.075	0.835	0.442			25.0		2281	10850				
7	7:00	13.4	1.369	1.226	0.011	1.108	0.084	28	0.49	0.00	256	3.13	90	1.76	28	0.58	8	0.29	14	8.03	0.66	0.66	0.66	0.66	0.074	0.801	0.425	35.0			38.0	4562	21700				
8	7:00	16.8	1.588	1.124	0.021	1.241	0.076	32	0.49	0.00	296	3.95	106	2.26	31	0.57	9	0.29	11	6.91	0.66	0.66	0.66	0.66	0.062	0.735	0.389	33.0	67.0			33.0	6843	32550			
9	7:00	14.3	1.303	1.289	0.010	1.055	0.076	27	0.49	0.00	306	3.56	99	1.84	33	0.71	11	0.41	18	11.42	0.66	0.66	0.66	0.66	0.066	0.842	0.447	33.0		64.0		4562	21700				
10	7:00	15.9	1.490	1.213	0.013	1.194	0.085	30	0.49	0.00	272	3.36	130	2.57	38	0.73	15	0.50	13	7.30	0.66	0.66	0.66	0.66	0.071	0.793	0.420	10.0	43.0		37.0	6843	32550				
11	7:00	14.4	1.315	1.244	0.018	1.041	0.091	27	0.49	0.00	392	4.72	138	2.66	42	0.92	27	1.03	14	7.37	0.66	0.66	0.66	0.66	0.072	0.813	0.431	31.0	32.0	49.0	28.0	9124	43400				
12	7:00	14.4	1.351	1.230	0.012	1.082	0.081	28	0.49	0.00	266	3.24	92	1.79	28	0.59	41	1.50	16	9.43	0.66	0.66	0.66	0.66	0.067	0.804	0.426	19.0		17.0	14.0	6843	32550				
13	7:00	14.5	1.309	1.036	0.014	1.033	0.073	27	0.49	0.00	340	4.92	114	2.64	37	0.82	60	2.30	9	5.95	0.66	0.66	0.66	0.66	0.063	0.677	0.359	31.0	52.0			4562	21700				
14	7:00	13.3	1.250	1.210	0.023	0.981	0.082	26	0.49	0.00	288	3.57	111	2.20	30	0.70	49	1.98	15	8.73	0.66	0.66	0.66	0.66	0.068	0.791	0.419	13.0		58.0	59.0	6843	32550				
15	7:00	16.2	1.510	1.045	0.005	1.196	0.058	31	0.49	0.00	314	4.50	142	3.26	33	0.63	57	1.89	10	8.30	0.66	0.66	0.66	0.66	0.053	0.683	0.362		41.0			2281	10850				
16	7:00	14.3	1.310	1.245	0.014	1.020	0.090	27	0.49	0.00	310	3.73	128	2.47	33	0.74	50	1.94	16	8.49	0.66	0.66	0.66	0.66	0.076	0.814	0.431	49.0		56.0	33.0	6843	32550				
17	7:00	14.2	1.284	1.113	0.017	1.017	0.066	26	0.49	0.00	300	4.04	129	2.78	33	0.74	53	2.06	15	10.84	0.66	0.66	0.66	0.66	0.052	0.727	0.386	14.0	42.0		37.0	6843	32550				
18	7:00	14.9	1.302	1.200	0.010	1.032	0.077	27	0.49	0.00	320	4.00	135	2.70	35	0.77	9	0.35	21	13.15	0.66	0.66	0.66	0.66	0.067	0.784	0.416			37.0	41.0		4562	21700			
19	7:00	17.5	1.530	1.177	0.012	1.294	0.081	31	0.49	0.00	376	4.79	149	3.04	42	0.74	9	0.28	11	6.55	0.66	0.66	0.66	0.66	0.071	0.769	0.408	59.0			50.0	4562	21700				
20	7:00	17.0	1.521	1.369	0.021	1.102	0.100	31	0.49	0.00	390	4.27	129	2.26	41	0.85	9	0.32	21	10.03	0.66	0.66	0.66	0.66	0.086	0.895	0.474	31.0	42.0	48.0		6843	32550				
21	7:00	15.0	1.369	1.275	0.000	1.107	0.074	28	0.49	0.00	320	3.76	124	2.33	35	0.72	8	0.29	11	7.15	0.66	0.66	0.66	0.66	0.069	0.833	0.442				36.0	2281	10850				
22	7:00	16.0	1.502	1.199	0.015	1.199	0.082	31	0.49	0.00	296	3.70	109	2.18	31	0.59	8	0.26	13	7.57	0.66	0.66	0.66	0.66	0.068	0.784	0.415	38.0	41.0		32.0	6843	32550				
23	7:00	16.8	1.509	1.309	0.022	1.184	0.092	31	0.49	0.00	356	4.08	137	2.51	39	0.75	8	0.27	18	9.37	0.66	0.66	0.66	0.66	0.073	0.856	0.453	30.0	34.0	71.0	30.0	9124	43400				
24	7:00	15.6	1.411	1.334	0.017	1.022	0.091	27	0.45	0.00	312	3.51	116	2.09	34	0.76	10	0.39	14	7.37	0.66	0.66	0.66	0.66	0.072	0.872	0.462	16.0	24.0	26.0	14.0	9124	43400				
25	7:00	16.0	1.402	1.131	0.021	1.128	0.076	29	0.49	0.00	386	5.12	140	2.97	41	0.83	15	0.53	16	10.15	0.66	0.66	0.66	0.66	0.066	0.739	0.392	30.0			32.0	4562	21700				
26	7:00	14.6	1.387	1.285	0.012	1.042	0.082	28	0.49	0.00	270	3.15	101	1.88	30	0.66	19	0.72	14	8.23	0.66	0.66	0.66	0.66	0.072	0.840	0.445		42.0	45.0			4562	21700			
27	7:00	14.1	1.269	1.165	0.010	1.010	0.077	26	0.49	0.00	318	4.09	109	2.24	34	0.77	50	1.96	15	9.39	0.66	0.66	0.66	0.66	0.067	0.761	0.404	38.0			41.0	4562	21700				
28	7:00	15.9	1.431	1.126	0.012	1.137	0.081	29	0.49	0.00	326	4.34	114	2.43	36	0.72	60	2.09	13	7.68	0.66	0.66	0.66	0.66	0.062	0.736	0.390	32.0	46.0	47.0	31.0	9124	43400				
29	7:00	15.9	1.450	1.245	0.022	1.197	0.075	30	0.49	0.00	386	4.65	109	2.10	37	0.70	59	1.95	17	10.87	0.66	0.66	0.66	0.66	0.075	0.814	0.431					0	0				
30	7:00	14.7	1.254	1.246	0.005	0.974	0.081	26	0.49	0.00	294	3.54	96	1.85	32	0.75	3	0.12	16	9.46	0.66	0.66	0.66	0.66	0.062	0.814	0.432	32.0	42.0	49.0	42.0	9124	43400				
31											#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!																
Total			460.4	42.019	36.551	0.423	33.243	2.425	856.490	#DIV/0!		#DIV/0!	9832	#DIV/0!	3570	#DIV/0!	1066	#DIV/0!	751	#DIV/0!	446	#DIV/0!				2.047	23.890	12.661	689	699	748	751	180199	857150			
Ave.			15.3	1.401	1.218	0.014	1.108	0.081	28.5	#DIV/0!	#DIV/0!	#DIV/0!	328	#DIV/0!	119	#DIV/0!	35.5	#DIV/0!	25.0	#DIV/0!	14.9	#DIV/0!			0.66	0.66	0.66	#DIV/0!	0.068	0.796	0.408	28.7	41.1	44.0	35.8	6006.6	28572
Max			17.5	1.588	1.369	0.023	1.294	0.100	32.4	#DIV/0!	0	#DIV/0!	440	#DIV/0!	149	#DIV/0!	47	#DIV/0!	65	#DIV/0!	21	#DIV/0!			0.66	0.66	0.66	0	0.086	0.895	0.474	59.0	67.0	71.0	62.0	9,124	43,400
Min			13.3	1.250	1.036	0.000	0.974	0.058	25.5	#DIV/0!	0	#DIV/0!	256	#DIV/0!	90	#DIV/0!	28	#DIV/0!	0	#DIV/0!	9	#DIV/0!			0.66	0.66	0.66	0	0.052	0.677	0.000	10.0	24.0	16.0	14.0	0	0

1	20	% Sodium Permanganate	Pre-aerator	CHLORINATION	Type of Chlorine Used		Sodium Hypochlorite 12.5 %	FLUORIDATION	Type of Fluoride Used		Hydrofluosilicic Acid 19% F	I certify that the information in this report is complete and accurate to the best of my knowledge.				
2	40	% Bisulfite Solution	Membrane Backwash									Reported by: _____ Illinois Operator Certification ID 253419999				
3	12.5	% Sodium Hypochlorite Solution	Post Softener									Date: _____				
4	20	% Ammonium Sulfate Solution	Post Softener									Date Bacterials Set: _____				
5	19	% Fluorosilicic Acid Solution	Post Clearwell		Chlorine Analyzers Used: Hach CL17 (2) & 5500sc				Fluoride Analyzer Used: Hach 2200, SPADNS method							
6	33	% Phosphate Solution	Post Clearwell													
7	40	% Bisulfite Solution	Lagoon Effluent													

