

South Sangamon Water Commission - IL 1670080
December 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					Bank #			1			2	3	4
			1	2	3	4	1	2	3	4																								
1	7:00	15.2	1.338	1.100	0.016	1.071	0.071	27	0.49	0.00	304	4.14	93	2.03	33	0.70	4	0.15	15	10.19	0.66	0.66	0.66	0.061	0.719	0.381	38.0	39.0		46.0	46.0	4562	21700	
2	7:00	14.6	1.302	1.067	0.010	1.014	0.074	27	0.49	0.00	298	4.19	97	2.18	32	0.72	6	0.23	13	8.47	0.66	0.66	0.66	0.064	0.697	0.370			46.0	46.0	4562	21700		
3	7:00	14.2	1.305	1.178	0.017	1.028	0.075	27	0.49	0.00	300	3.82	99	2.02	32	0.71	6	0.23	15	9.65	0.66	0.66	0.66	0.065	0.770	0.408	33.0	46.0			4562	21700		
4	7:00	16.5	1.514	0.950	0.010	1.167	0.069	31	0.49	0.00	302	4.76	100	2.52	39	0.76	8	0.27	16	11.19	0.66	0.66	0.66	0.059	0.621	0.329	38.0			46.0	4562	21700		
5	7:00	16.5	1.324	1.336	0.012	0.928	0.090	28	0.50	0.00	238	2.67	75	1.35	31	0.78	6	0.26	17	9.02	0.66	0.66	0.66	0.076	0.873	0.463	32.0	42.0		35.0	6843	32550		
6	7:00	15.4	1.394	1.213	0.007	1.142	0.075	28	0.49	0.00	266	3.29	87	1.72	35	0.70	8	0.28	13	8.34	0.66	0.66	0.66	0.070	0.793	0.420			94.0		2281	10850		
7	7:00	15.0	1.309	1.266	0.008	1.011	0.087	27	0.49	0.00	258	3.05	83	1.57	34	0.77	7	0.27	12	6.65	0.66	0.66	0.66	0.077	0.827	0.439	39.0			44.0	4562	21700		
8	7:00	15.8	1.362	1.061	0.009	1.067	0.078	28	0.49	0.00	252	3.56	75	1.70	32	0.68	13	0.48	16	9.89	0.66	0.66	0.66	0.068	0.693	0.368	33.0		51.0		4562	21700		
9	7:00	15.4	1.303	1.145	0.011	1.034	0.080	27	0.49	0.00	270	3.53	80	1.68	35	0.77	10	0.38	15	9.04	0.66	0.66	0.66	0.070	0.748	0.397			26.0	44.0	4562	21700		
10	7:00	15.0	1.326	1.183	0.011	1.044	0.073	27	0.49	0.00	250	3.17	75	1.52	32	0.70	14	0.53	18	11.89	0.66	0.66	0.66	0.063	0.773	0.410	38.0	125.0			4562	21700		
11	7:00	14.2	1.248	1.097	0.011	1.025	0.073	26	0.49	0.00	262	3.58	84	1.84	34	0.76	39	1.51	14	9.25	0.66	0.66	0.66	0.063	0.717	0.380			44.0	47.0	4562	21700		
12	7:00	14.5	1.277	1.128	0.013	1.056	0.073	26	0.49	0.00	248	3.30	89	1.89	33	0.71	53	1.99	17	11.23	0.66	0.66	0.66	0.063	0.737	0.391	35.0	44.0			4562	21700		
13	7:00	16.3	1.467	1.252	0.005	1.150	0.092	30	0.49	0.00	282	3.38	88	1.69	37	0.73	61	2.10	13	6.75	0.66	0.66	0.66	0.078	0.818	0.434	37.0		44.0	43.0	6843	32550		
14	7:00	14.9	1.319	1.256	0.016	1.009	0.076	27	0.49	0.00	266	3.17	84	1.60	35	0.79	2	0.08	20	12.69	0.66	0.66	0.66	0.066	0.821	0.435			40.0	34.0	4562	21700		
15	7:00	14.9	1.286	1.059	0.014	1.088	0.070	27	0.51	0.00	252	3.57	83	1.88	33	0.69	3	0.11	13	8.96	0.66	0.66	0.66	0.060	0.692	0.367	35.0		54.0		4562	21700		
16	7:00	16.5	1.356	1.189	0.007	1.034	0.080	29	0.51	0.00	290	3.66	94	1.90	34	0.75	6	0.23	18	10.74	0.66	0.66	0.66	0.066	0.777	0.412	39.0	45.0		40.0	6843	32550		
17	7:00	16.2	1.340	1.166	0.018	1.087	0.077	28	0.51	0.00	276	3.55	93	1.91	34	0.71	7	0.25	16	10.02	0.66	0.66	0.66	0.067	0.762	0.404			37.0	46.0	4562	21700		
18	7:00	16.7	1.377	1.205	0.015	1.053	0.073	29	0.51	0.00	358	4.45	116	2.31	44	0.95	9	0.34	20	13.22	0.66	0.66	0.66	0.063	0.788	0.417	46.0			40.0	4562	21700		
19	7:00	16.0	1.359	1.192	0.005	1.067	0.070	29	0.51	0.00	218	2.74	78	1.57	27	0.58	6	0.22	13	8.96	0.66	0.66	0.66	0.060	0.779	0.413			46.0	36.0	4562	21700		
20	7:00	15.2	1.300	1.141	0.011	1.051	0.069	28	0.51	0.00	290	3.81	94	1.98	36	0.78	8	0.30	18	12.59	0.66	0.66	0.66	0.059	0.746	0.395	34.0		68.0		4562	21700		
21	7:00	17.9	1.490	1.325	0.011	1.216	0.086	32	0.51	0.00	294	3.33	109	1.97	35	0.66	9	0.29	18	10.00	0.66	0.66	0.66	0.072	0.866	0.459	40.0	42.0		30.0	6843	32550		
22	7:00	17.4	1.404	1.231	0.016	1.100	0.071	30	0.51	0.00	292	3.56	101	1.97	35	0.72	10	0.36	16	10.87	0.66	0.66	0.66	0.061	0.805	0.426			51.0	39.0	4562	21700		
23	7:00	16.8	1.334	1.179	0.011	1.089	0.071	28	0.51	0.00	290	3.69	100	2.03	34	0.71	10	0.36	20	13.59	0.66	0.66	0.66	0.061	0.771	0.408	39.0	42.0			4562	21700		
24	7:00	17.1	1.443	1.242	0.013	1.074	0.078	31	0.51	0.00	290	3.50	97	1.87	34	0.72	17	0.63	17	10.40	0.66	0.66	0.66	0.064	0.812	0.430	35.0		43.0	32.0	6843	32550		
25	7:00	16.3	1.385	1.214	0.018	1.121	0.073	29	0.51	0.00	326	4.02	116	2.29	38	0.77	50	1.76	20	13.22	0.66	0.66	0.66	0.063	0.793	0.421			37.0		36.0	4562	21700	
26	7:00	17.7	1.451	1.282	0.007	1.149	0.087	31	0.51	0.00	292	3.41	99	1.85	34	0.67	63	2.17	16	8.80	0.66	0.66	0.66	0.068	0.838	0.444	39.0	42.0	47.0	32.0	5124	43400		
27	7:00	16.4	1.361	1.189	0.021	1.076	0.062	29	0.51	0.00	300	3.78	107	2.16	36	0.76	65	2.39	18	13.97	0.66	0.66	0.66	0.057	0.777	0.412	32.0				2281	10850		
28	7:00	17.8	1.445	1.275	0.005	1.136	0.080	30	0.49	0.00	298	3.50	103	1.94	36	0.72	2	0.07	16	9.55	0.66	0.66	0.66	0.066	0.833	0.442			47.0	51.0	41.0	6843	32550	
29	7:00	17.6	1.385	1.218	0.016	1.121	0.067	28	0.49	0.00	288	3.54	98	1.93	34	0.69	8	0.28	20	14.36	0.66	0.66	0.66	0.062	0.796	0.422	38.0				2281	10850		
30	7:00	16.7	1.369	1.197	0.010	1.069	0.082	28	0.49	0.00	288	3.61	99	1.98	34	0.72	7	0.26	19	11.09	0.66	0.66	0.66	0.063	0.782	0.415	32.0	43.0	45.0	32.0	9124	43400		
31	7:00	16.9	1.346	1.182	0.016	1.088	0.063	28	0.49	0.00	298	3.78	102	2.07	35	0.73	9	0.33	17	12.99	0.66	0.66	0.66	0.058	0.773	0.409				38.0	2281	10850		
Total		497.6	42.219	36.718	0.370	33.365	2.339	878.1907	15.46	0	8736	111.10	2898	58.90	1067	22.61	526	19.12	509	327.59				2.013	23.999	12.719	732	717	710	735	151108	737800		
Ave.		16.1	1.362	1.184	0.012	1.076	0.075	28.3	0.50	#DIV/0!	0	282	3.58	93	1.90	34.4	0.73	17.0	0.62	16.4	10.57	0.66	0.66	0.66	#DIV/0!	0.065	0.774	0.410	36.6	47.8	50.7	38.7	4874.5	23800
Max		17.9	1.514	1.336	0.021	1.216	0.092	31.7	0.51	0	358	4.76	116	2.5243	44	0.95	65	2.39	20	14.36	0.66	0.66	0.66	0	0.078	0.873	0.463	46.0	125.0	94.0	47.0	9,124	43,400	
Min		14.2	1.248	0.950	0.005	0.928	0.062	25.5	0.49	0	218	2.67	75	1.35	27	0.58	2	0.07	12	6.65	0.66	0.66	0.66	0	0.057	0.621	0.329	32.0	37.0	26.0	30.0	2281	10850	

1	20	% Sodium Permanganate	Pre-aerator	CHLORINATION	FLUORIDATION	I certify that the information in this report is complete and accurate to the best of my knowledge. Reported by: _____ Illinois Operator Certification ID 253419999 Date: 1/10/2022 Date Bacterials Set: 12/3/2021
2	40	% Bisulfite Solution	Membrane Backwash	Type of Chlorine Used	Type of Fluoride Used	
3	12.5	% Sodium Hypochlorite Solution	Post Softener	Sodium Hypochlorite 12.5 %	Hydrofluosilicic Acid 19% F	
4	20	% Ammonium Sulfate Solution	Post Softener	Chlorine Analyzers Used: Hach CL17 (2) & 5500sc	Fluoride Analyzer Used: Hach 2200, SPADNS method	
5	19	% Fluorosilicic Acid Solution	Post Clearwell			
6	33	% Phosphate Solution	Post Clearwell			
7	40	% Bisulfite Solution	Lagoon Effluent			

