

South Sangamon Water Commission - IL 1670080
October 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
			1	2	3	4	1	2	3	4																							
1	7:00	18.6	1.755	1.542	0.022	1.395	0.098	36	0.49	0.00	378	3.67	123	1.91	43	0.70	17	0.48	40	19.66	0.66	0.66	0.66	0.088	1.008	0.534	31.0	23.0	31.0	4562	21700		
2	7:00	18.1	1.645	1.452	0.012	1.302	0.100	34	0.49	0.00	374	3.86	109	1.80	43	0.75	20	0.61	33	15.77	0.66	0.66	0.66	0.086	0.949	0.503	29.0	33.0	31.0	6843	32550		
3	7:00	16.1	1.549	1.527	0.016	1.199	0.098	32	0.49	0.00	356	3.49	111	1.74	40	0.76	22	0.73	37	18.04	0.66	0.66	0.66	0.084	0.998	0.529	29.0	32.0	41.0	6843	32550		
4	7:00	17.9	1.665	1.365	0.017	1.308	0.092	34	0.49	0.00	340	3.73	107	1.88	37	0.64	30	0.91	27	14.02	0.66	0.66	0.66	0.078	0.892	0.473	36.0	33.0	28.0	6843	32550		
5	7:00	15.6	1.480	1.365	0.020	1.157	0.093	30	0.49	0.00	336	3.69	105	1.84	37	0.73	8	0.27	35	18.13	0.66	0.66	0.66	0.083	0.892	0.473	29.0	36.0	36.0	4562	21700		
6	7:00	17.2	1.511	1.218	0.007	1.203	0.084	31	0.49	0.00	324	3.99	103	2.03	37	0.70	8	0.26	28	15.96	0.66	0.66	0.66	0.065	0.796	0.422	30.0	42.0	48.0	9124	43400		
7	7:00	15.2	1.406	1.401	0.024	1.087	0.095	29	0.49	0.00	320	3.42	96	1.64	37	0.78	10	0.36	51	25.86	0.66	0.66	0.66	0.085	0.916	0.485	29.0	23.0	25.0	4562	21700		
8	7:00	17.5	1.636	1.258	0.010	1.215	0.093	33	0.49	0.00	308	3.67	91	1.73	35	0.66	9	0.29	51	26.26	0.66	0.66	0.66	0.074	0.822	0.436	29.0	35.0	22.0	26.0	9124	43400	
9	7:00	19.2	1.779	1.723	0.020	1.086	0.109	36	0.49	0.00	378	3.29	126	1.75	42	0.88	12	0.44	47	20.65	0.66	0.66	0.66	0.090	1.126	0.597	35.0	35.0	31.0	31.0	9124	43400	
10	7:00	17.0	1.555	1.239	0.023	1.212	0.084	32	0.49	0.00	350	4.23	128	2.48	39	0.73	12	0.39	36	20.66	0.66	0.66	0.66	0.074	0.810	0.429	30.0	32.0			4562	21700	
11	7:00	16.4	1.526	1.317	0.009	1.258	0.086	31	0.49	0.00	283	3.22	109	1.98	32	0.58	11	0.35	28	15.69	0.66	0.66	0.66	0.076	0.861	0.456	29.0	35.0	38.0	4562	21700		
12	7:00	16.2	1.452	1.365	0.014	1.174	0.092	30	0.49	0.00	320	3.51	119	2.09	38	0.74	16	0.54	38	19.78	0.66	0.66	0.66	0.073	0.892	0.473	31.0	36.0	33.0	30.0	9124	43400	
13	7:00	17.5	1.599	1.301	0.019	1.280	0.085	33	0.49	0.00	336	3.87	117	2.16	41	0.73	17	0.53	30	17.01	0.66	0.66	0.66	0.075	0.850	0.451	36.0	32.0			4562	21700	
14	7:00	16.6	1.549	1.381	0.013	1.268	0.085	32	0.49	0.00	326	3.54	108	1.88	39	0.70	19	0.59	34	19.10	0.66	0.66	0.66	0.071	0.903	0.478	30.0	31.0	40.0	6843	32550		
15	7:00	15.4	1.422	1.345	0.010	1.094	0.095	29	0.49	0.00	334	3.72	116	2.07	39	0.81	25	0.90	31	15.59	0.66	0.66	0.66	0.081	0.879	0.466	33.0	38.0	34.0	6843	32550		
16	7:00	15.0	1.368	1.203	0.017	1.083	0.072	28	0.49	0.00	244	3.04	82	1.63	30	0.63	32	1.17	24	16.03	0.66	0.66	0.66	0.067	0.786	0.417	35.0				2281	10850	
17	7:00	13.2	1.292	1.228	0.010	1.071	0.081	26	0.49	0.00	294	3.59	102	1.99	35	0.74	55	2.03	30	17.68	0.66	0.66	0.66	0.067	0.803	0.425	40.0	41.0	44.0	6843	32550		
18	7:00	15.5	1.440	1.041	0.015	1.244	0.071	29	0.49	0.00	348	5.01	67	1.54	41	0.75	69	2.19	31	20.83	0.66	0.66	0.66	0.057	0.680	0.361	29.0	28.0	29.0	6843	32550		
19	7:00	18.3	1.684	1.481	0.015	1.309	0.083	34	0.49	0.00	342	3.46	105	1.70	41	0.71	18	0.54	33	19.12	0.66	0.66	0.66	0.078	0.968	0.513	61.0				2281	10850	
20	7:00	17.8	1.692	1.484	0.011	1.307	0.106	35	0.49	0.00	354	3.58	111	1.79	42	0.73	9	0.27	29	13.10	0.66	0.66	0.66	0.087	0.970	0.514	28.0	29.0	46.0	32.0	9124	43400	
21	7:00	18.6	1.740	1.530	0.016	1.393	0.098	36	0.49	0.00	378	3.70	127	1.99	45	0.74	10	0.28	4	1.97	0.66	0.66	0.66	0.088	1.000	0.530	31.0			27.0	4562	21700	
22	7:00	18.2	1.731	1.542	0.011	1.387	0.107	35	0.49	0.00	332	3.23	108	1.68	41	0.67	11	0.31	24	10.74	0.66	0.66	0.66	0.088	1.008	0.534	30.0	35.0	49.0	31.0	9124	43400	
23	7:00	14.5	1.352	1.334	0.021	1.078	0.088	28	0.49	0.00	388	4.36	128	2.30	47	0.99	12	0.44	35	19.17	0.66	0.66	0.66	0.078	0.872	0.462	31.0	34.0			4562	21700	
24	7:00	17.2	1.573	1.212	0.016	1.280	0.079	32	0.49	0.00	258	3.19	90	1.78	31	0.55	10	0.31	39	23.80	0.66	0.66	0.66	0.069	0.792	0.420		35.0	38.0	4562	21700		
25	7:00	16.1	1.501	1.332	0.006	1.205	0.076	31	0.49	0.00	348	3.92	98	1.76	35	0.66	12	0.39	35	22.09	0.66	0.66	0.66	0.076	0.871	0.461				0	0		
26	7:00	18.3	0.895	1.119	0.000	0.559	0.086	18	0.49	0.00	368	4.93	99	2.12	32	1.30	15	1.06	9	5.01	0.66	0.66	0.66	0.076	0.731	0.388	65.0	71.0	58.0	57.0	9124	43400	
27	7:00	17.7	1.588	1.550	0.017	1.220	0.103	32	0.49	0.00	352	3.40	100	1.55	35	0.65	13	0.42	21	9.82	0.66	0.66	0.66	0.067	1.013	0.537	10.0		31.0		4562	21700	
28	7:00	15.4	1.379	1.313	0.013	1.118	0.080	28	0.49	0.00	340	3.88	122	2.23	39	0.79	17	0.60	15	9.04	0.66	0.66	0.66	0.095	0.858	0.455	40.0			35.0	4562	21700	
29	7:00	15.6	1.433	1.177	0.010	1.119	0.083	29	0.49	0.00	294	3.74	101	2.06	32	0.65	27	0.95	12	6.97	0.66	0.66	0.66	0.070	0.769	0.408		40.0	36.0	4562	21700		
30	7:00	14.7	1.318	1.247	0.009	1.054	0.078	27	0.49	0.00	306	3.68	98	1.88	33	0.71	50	1.88	11	6.73	0.66	0.66	0.66	0.073	0.815	0.432	80.0	45.0	14.0		6843	32550	
31	7:00	14.4	1.329	1.182	0.015	1.062	0.079	27	0.49	0.00	308	3.91	101	2.05	35	0.75	57	2.12	23	14.04	0.66	0.66	0.66	0.064	0.773	0.409	30.0	35.0			4562	21700	
Total		515	46.844	41.774	0.438	36.727	2.757	957	15.19	0	10317	115.53	3307	59.06	1173	22.95	653	22.65	921	498.32				0.069	27.303	14.471	715	733	695	681	182480	868000	
Ave.		16.6	1.511	1.348	0.014	1.185	0.089	30.9	0.49	#DIV/0!	0	333	3.73	107	1.91	37.8	0.74	21.1	0.73	29.7	16.07	0.66	0.66	0.66	#DIV/0!	0.077	0.881	0.467	34.0	38.6	34.1	5886.5	28000
Max		19.2	1.779	1.723	0.024	1.395	0.109	36.4	0.49	0	388	5.01	128	2.4774	47	1.30	69	2.19	51	26.26	0.66	0.66	0.66	0	0.095	1.126	0.597	80.0	71.0	58.0	57.0	9,124	43,400
Min		13.2	0.895	1.041	0.000	0.559	0.071	18.3	0.49	0	244	3.04	67	1.54	30	0.55	8	0.26	4	1.97	0.66	0.66	0.66	0	0.057	0.680	0.361	10.0	29.0	14.0	25.0	0	0

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: 11/10/2021 Date Bacterials Set: 10/21/2021, 10/27/2021
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			

