

South Sangamon Water Commission - IL 1670080
September 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	15.4	1.417	1.212	0.009	1.164	0.077	29	0.49	0.00	368	4.55	115	2.28	31	0.61	18	0.61	0	0.00	0.66	0.66	0.66	0.063	0.792	0.420	60.0	39.0	68.0	34.0	6843	32550		
2	7:00	18.0	1.683	1.445	0.015	1.309	0.096	33	0.48	0.00	378	3.92	115	1.91	31	0.54	20	0.60	52	26.09	0.66	0.66	0.66	0.086	0.944	0.501	30.0	68.0			4562	21700		
3	7:00	17.1	1.621	1.424	0.015	1.277	0.096	33	0.49	0.00	378	3.98	121	2.04	31	0.55	23	0.71	53	26.38	0.66	0.66	0.66	0.082	0.931	0.493	36.0	19.0		34.0	6843	32550		
4	7:00	17.2	1.655	1.489	0.009	1.320	0.092	34	0.49	0.00	398	4.01	132	2.13	32	0.55	28	0.84	45	23.37	0.66	0.66	0.66	0.078	0.973	0.516	28.0	32.0			6843	32550		
5	7:00	16.2	1.538	1.371	0.016	1.201	0.096	31	0.49	0.00	378	4.13	132	2.31	32	0.61	37	1.22	37	18.41	0.66	0.66	0.66	0.082	0.896	0.475	29.0		70.0	30.0	6843	32550		
6	7:00	16.6	1.555	1.344	0.015	1.238	0.085	32	0.49	0.00	478	5.33	172	3.07	40	0.74	70	2.24	36	20.23	0.66	0.66	0.66	0.071	0.878	0.466	29.0	36.0		29.0	6843	32550		
7	7:00	17.3	1.607	1.400	0.015	1.332	0.081	33	0.49	0.00	388	4.15	134	2.30	33	0.56	69	2.05	39	23.09	0.66	0.66	0.66	0.081	0.915	0.485					0	0		
8	7:00	17.2	1.400	1.713	0.013	1.159	0.112	29	0.49	0.00	332	2.90	115	1.61	37	0.73	26	0.89	39	16.65	0.66	0.66	0.66	0.098	1.120	0.593	32.0	58.0		36.0	6843	32550		
9	7:00	19.5	1.707	1.378	0.015	1.403	0.090	35	0.49	0.00	416	4.52	139	2.42	53	0.86	15	0.42	22	11.68	0.66	0.66	0.66	0.076	0.901	0.477	27.0		96.0	26.0	6843	32550		
10	7:00	19.8	1.880	1.644	0.018	1.471	0.119	38	0.49	0.00	424	3.87	143	2.09	51	0.79	15	0.40	14	5.63	0.66	0.66	0.66	0.100	1.075	0.569	28.0	30.0	26.0	27.0	9124	43400		
11	7:00	18.3	1.811	1.614	0.022	1.432	0.106	37	0.49	0.00	490	4.55	164	2.44	57	0.91	18	0.50	40	18.04	0.66	0.66	0.66	0.092	1.055	0.559	27.0	29.0			6843	32550		
12	7:00	17.2	1.635	1.442	0.016	1.361	0.076	33	0.49	0.00	370	3.85	121	2.01	44	0.74	15	0.44	29	18.40	0.66	0.66	0.66	0.066	0.942	0.500	28.0	29.0			4562	21700		
13	7:00	18.6	1.811	1.604	0.009	1.440	0.104	37	0.49	0.00	444	4.15	144	2.15	53	0.84	20	0.55	38	17.46	0.66	0.66	0.66	0.090	1.048	0.556		25.0	68.0	26.0		6843	32550	
14	7:00	20.5	1.980	1.788	0.017	1.611	0.113	40	0.49	0.00	432	3.62	146	1.96	51	0.72	23	0.56	36	15.23	0.66	0.66	0.66	0.099	1.169	0.619	28.0	28.0		24.0	6843	32550		
15	7:00	19.6	1.845	1.573	0.017	1.483	0.102	38	0.49	0.00	400	3.81	124	1.89	46	0.71	25	0.67	30	14.06	0.66	0.66	0.66	0.088	1.028	0.545	29.0		56.0	28.0	6843	32550		
16	7:00	18.8	1.808	1.591	0.016	1.421	0.105	37	0.49	0.00	398	3.75	143	2.16	51	0.82	37	1.03	40	18.21	0.66	0.66	0.66	0.091	1.040	0.551	28.0	28.0			6843	32550		
17	7:00	20.9	2.005	1.773	0.014	1.583	0.109	41	0.49	0.00	382	3.23	115	1.56	43	0.62	50	1.25	58	25.62	0.66	0.66	0.66	0.099	1.159	0.614	28.0	35.0			4562	21700		
18	7:00	17.5	1.649	1.437	0.013	1.359	0.097	34	0.49	0.00	358	3.73	99	1.65	41	0.69	9	0.26	28	13.79	0.66	0.66	0.66	0.083	0.939	0.498		31.0	63.0	59.0		6843	32550	
19	7:00	17.5	1.661	1.452	0.022	1.350	0.097	34	0.49	0.00	420	4.34	122	2.01	47	0.79	14	0.41	0	0.00	0.66	0.66	0.66	0.087	0.949	0.503			26.0	26.0	4562	21700		
20	7:00	19.2	1.815	1.602	0.009	1.424	0.108	37	0.49	0.00	446	4.17	129	1.93	51	0.82	15	0.42	2	0.89	0.66	0.66	0.66	0.089	1.047	0.555	60.0	30.0	31.0	24.0	9124	43400		
21	7:00	20.8	1.948	1.712	0.020	1.583	0.106	40	0.49	0.00	386	3.38	132	1.85	46	0.66	15	0.37	7	3.18	0.66	0.66	0.66	0.096	1.119	0.593	31.0	29.0			4562	21700		
22	7:00	16.5	1.584	1.494	0.009	1.222	0.104	32	0.49	0.00	322	3.23	92	1.48	38	0.71	13	0.42	0	0.00	0.66	0.66	0.66	0.090	0.976	0.518	29.0	16.0		41.0	6843	32550		
23	7:00	17.5	1.470	1.152	0.014	1.192	0.090	30	0.49	0.00	352	4.58	93	1.94	39	0.75	16	0.53	13	6.90	0.66	0.66	0.66	0.076	0.753	0.399	28.0		62.0	28.0	6843	32550		
24	7:00	17.5	1.688	1.487	0.016	1.346	0.097	34	0.49	0.00	294	2.96	115	1.85	43	0.73	18	0.53	38	18.72	0.66	0.66	0.66	0.083	0.972	0.515		53.0	28.0	27.0	6843	32550		
25	7:00	18.4	1.719	1.502	0.016	1.369	0.098	35	0.49	0.00	448	4.47	134	2.14	51	0.85	-6	-0.17	36	17.69	0.66	0.66	0.66	0.088	0.982	0.520	33.0	31.0			4562	21700		
26	7:00	15.6	1.508	1.398	0.009	1.199	0.087	31	0.49	0.00	334	3.58	97	1.66	37	0.70	10	0.33	30	16.47	0.66	0.66	0.66	0.073	0.914	0.484	28.0	31.0		35.0	6843	32550		
27	7:00	18.2	1.709	1.454	0.017	1.421	0.094	35	0.49	0.00	356	3.67	110	1.81	40	0.64	10	0.28	30	15.25	0.66	0.66	0.66	0.080	0.950	0.504	28.0		69.0	26.0	6843	32550		
28	7:00	18.6	1.765	1.516	0.016	1.401	0.096	36	0.49	0.00	454	4.49	143	2.26	51	0.83	14	0.40	40	19.91	0.66	0.66	0.66	0.082	0.991	0.525	28.0	29.0			26.0	6843	32550	
29	7:00	20.8	1.901	1.737	0.018	1.524	0.101	39	0.49	0.00	354	3.05	110	1.52	41	0.61	13	0.34	28	13.25	0.66	0.66	0.66	0.087	1.135	0.602		32.0	47.0	29.0	6843	32550		
30	7:00	17.4	1.627	1.361	0.013	1.336	0.103	33	0.49	0.00	376	4.14	123	2.17	43	0.73	15	0.44	34	15.81	0.66	0.66	0.66	0.084	0.890	0.471	31.0	30.0	30.0	27.0	9124	43400		
31											#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!															
Total		543.7	51.002	45.109	0.443	40.931	2.942	1041.204	#DIV/0!	0	#DIV/0!	11754	#DIV/0!	3774	#DIV/0!	1284	#DIV/0!	665	#DIV/0!	894	#DIV/0!				2.540	29.483	15.626	733	730	740	724	191604	911400	
Ave.		18.1	1.700	1.504	0.015	1.364	0.098	34.7	#DIV/0!	#DIV/0!	#DIV/0!	392	#DIV/0!	126	#DIV/0!	42.8	#DIV/0!	22.2	#DIV/0!	29.8	#DIV/0!	0.66	0.66	0.66	#DIV/0!	0.085	0.983	0.504	31.9	31.7	52.9	30.2	6386.8	30380
Max		20.9	2.005	1.788	0.022	1.611	0.119	41.0	#DIV/0!	0	#DIV/0!	490	#DIV/0!	172	#DIV/0!	57	#DIV/0!	70	#DIV/0!	58	#DIV/0!	0.66	0.66	0.66	0	0.100	1.169	0.619	60.0	58.0	96.0	59.0	9,124	43,400
Min		15.4	1.400	1.152	0.009	1.159	0.076	28.6	#DIV/0!	0	#DIV/0!	294	#DIV/0!	92	#DIV/0!	31	#DIV/0!	-6	#DIV/0!	0	#DIV/0!	0.66	0.66	0.66	0	0.063	0.753	0.000	27.0	16.0	26.0	23.0	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: 10/7/2021 Date Bacterials Set: 9/24/2021
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			

