

WASTEWATER OPERATIONS SECTION

SWRC 2018 PLANT EFFLUENT

	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
1	17.487	18.471	28.429	19.573	18.047	18.152	19.505	16.195	18.196	15.614	17.418	30.558
2	17.573	18.567	27.028	19.526	17.864	17.197	19.370	16.693	17.239	21.016	16.291	39.781
3	17.698	18.557	24.599	20.068	22.716	17.020	18.657	15.888	21.705	17.474	16.362	28.718
4	17.534	18.326	23.675	19.971	20.313	16.915	18.362	15.064	22.556	15.909	19.614	25.400
5	17.472	18.370	23.338	19.634	19.504	17.251	18.349	15.331	19.852	18.036	21.642	23.191
6	17.140	17.246	23.900	19.255	19.057	17.339	18.000	16.187	20.944	24.271	23.532	21.812
7	17.679	17.746	22.918	19.192	19.061	16.663	16.537	16.078	21.425	20.913	20.812	21.187
8	17.359	17.074	22.647	18.942	18.947	17.007	16.490	15.644	20.309	27.283	18.649	20.325
9	17.329	17.159	21.484	19.976	19.064	21.177	17.201	15.946	19.040	21.992	18.682	20.311
10	17.995	17.430	21.084	18.556	17.989	26.038	16.723	15.937	18.423	21.949	18.247	19.727
11	20.667	17.559	19.949	18.193	17.891	24.900	17.207	15.806	17.402	20.519	17.904	18.871
12	20.288	16.947	20.729	18.498	18.139	22.476	16.716	15.708	17.168	19.295	17.932	18.761
13	18.904	17.371	20.173	17.009	20.464	19.764	16.469	15.733	16.776	18.068	16.968	18.173
14	18.478	17.633	20.034	21.966	21.332	19.289	17.164	15.377	16.513	17.850	17.413	19.867
15	18.446	20.531	19.547	34.841	22.536	18.455	16.697	16.435	16.511	18.238	16.626	18.984
16	18.165	21.373	18.990	31.471	20.180	18.959	16.918	16.017	16.808	17.234	16.149	18.844
17	18.058	20.948	20.013	25.629	19.385	18.399	16.203	17.721	16.488	16.927	17.069	18.451
18	17.948	19.989	19.729	24.572	17.604	18.808	16.294	16.601	16.904	16.466	17.691	18.059
19	17.139	25.408	19.640	22.976	17.971	24.053	16.132	16.150	16.502	16.549	17.622	18.284
20	17.208	55.746	19.314	20.936	18.156	20.759	17.265	18.978	16.425	16.339	17.142	18.103
21	17.686	51.247	18.850	21.162	29.731	30.590	19.264	20.743	16.067	16.220	18.167	19.242
22	28.266	42.042	18.712	20.788	30.834	44.693	17.503	17.755	15.349	16.362	17.339	18.496
23	26.213	33.721	17.698	21.207	24.739	35.288	17.497	17.305	15.565	15.712	16.332	17.953
24	23.163	28.515	17.921	19.796	21.836	26.116	17.202	16.615	16.090	15.864	17.814	18.504
25	21.235	28.329	17.307	19.872	20.351	23.347	16.609	16.582	16.839	15.887	19.759	16.747
26	19.471	25.913	17.340	18.845	19.438	23.576	16.111	16.791	15.670	15.584	26.548	17.390
27	19.233	24.090	22.032	17.990	18.131	25.106	15.867	16.948	15.314	15.507	24.576	21.130
28	19.373	22.999	20.053	19.074	18.687	22.263	15.188	16.858	15.304	16.142	21.686	24.567
29	18.714		20.036	19.038	18.383	21.172	15.143	26.134	15.012	15.829	20.257	21.916
30	19.165		19.109	19.576	19.204	19.680	15.690	19.577	15.322	15.579	20.214	20.860
31	18.832		19.503		19.718		16.068	17.703		18.809		26.628
TOT	591.918	669.307	645.781	628.132	627.272	662.452	528.401	526.500	523.718	559.437	566.457	660.840
AVG	19.094	23.904	20.832	20.938	20.235	22.082	17.045	16.984	17.457	18.046	18.882	21.317
MIN	17.139	16.947	17.307	17.009	17.604	16.663	15.143	15.064	15.012	15.507	16.149	16.747
MAX	28.266	55.746	28.429	34.841	30.834	44.693	19.505	26.134	22.556	27.283	26.548	39.781

TOTAL 7,190

All data indicated is in MG.

Data shown is the same as reported in the monthly discharge monitoring report.

Using North plant effluent meter and south plant influent meter to calculate total flow.

OPS\EXCEL\RAINFLOW

2018 PRECIPITATION

	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
1			0.45				0.17		0.13	0.41		1.08
2					0.17	0.02				0.81		0.03
3		0.01		0.09	0.39				0.99		0.04	0.04
4		0.02					0.17			0.03	0.50	
5		0.01	0.09	0.06			0.15	0.02	0.19	1.17	0.37	
6		0.01	0.05			0.09		0.14	0.56	0.56	0.05	
7	0.01	0.03						0.04	0.23	0.50		
8		0.07		0.02		0.29				0.10		
9		0.28		0.06	0.08	1.09				0.06	0.09	
10		0.03				0.65				0.31		
11	0.17	0.11		0.01	0.13	0.22		0.39				
12				0.02	0.28							
13			0.02	0.04	0.15							0.21
14				0.62	0.64		0.30			0.10		0.13
15	0.01			0.54				0.09		0.08	0.02	
16						0.02	0.01	0.07				
17		0.02	0.18					0.83			0.17	
18				0.09	0.12	0.61					0.03	
19		0.34		0.03		0.24	0.02			0.09		
20		1.26			0.01	0.50	0.35	0.99		0.02		0.09
21	0.01	0.02			0.95	1.22	0.10	0.22				0.04
22	0.68				0.03	1.53	0.13					
23	0.04	0.06									0.08	
24	0.01	0.06						0.07			0.14	
25					0.24			0.04	0.10		1.31	0.03
26			0.18			0.62					0.24	
27			0.35	0.01								0.64
28		0.05	0.02					0.74	0.05	0.17		0.07
29			0.06					0.63				
30					1.00					0.34		
31			0.05							0.34		0.72

MAX	0.68	1.26	0.45	0.62	1.00	1.53	0.35	0.99	0.99	1.17	1.31	1.08
TOT	0.93	2.38	1.45	1.59	4.19	7.10	1.40	4.27	2.25	5.09	3.04	3.08

1.53
36.77

TOTAL: 36.77

NOTE: BOLD FIGURES DESIGNATE SNOW.

ITALIC FIGURES DESIGNATE RAIN AND SNOW MIX.

2018 PLANT EFFLUENT FLOW AND PRECIPITATION																										
	JAN.		FEB.		MAR.		APR.		MAY.		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.			
	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation	Flow	Precipitation		
1	17.487		18.471		28.429	0.45	19.573		18.047		18.152		19.505	0.17	16.195		18.196	0.13	15.614	0.41	17.418		30.558	1.08		
2	17.573		18.567		27.028		19.526		17.864	0.17	17.197	0.02	19.370		16.693		17.239		21.016	0.81	16.291		39.781	0.03		
3	17.698		18.557	0.01	24.599		20.068	0.09	22.716	0.39	17.020		18.657		15.888		21.705	0.99	17.474		16.362	0.04	28.718	0.04		
4	17.534		18.326	0.02	23.675		19.971		20.313		16.915		18.362	0.17	15.064		22.556		15.909	0.03	19.614	0.50	25.400			
5	17.472		18.370	0.01	23.338	0.09	19.634	0.06	19.504		17.251		18.349	0.15	15.331	0.02	19.852	0.19	18.036	1.17	21.642	0.37	23.191			
6	17.140		17.246	0.01	23.900	0.05	19.255		19.057		17.339	0.09	18.000		16.187	0.14	20.944	0.56	24.271	0.56	23.532	0.05	21.812			
7	17.679	0.01	17.746	0.03	22.918		19.192		19.061		16.663		16.537		16.078	0.04	21.425	0.23	20.913	0.50	20.812		21.187			
8	17.359		17.074	0.07	22.647		18.942	0.02	18.947		17.007	0.29	16.490		15.644		20.309		27.283	0.10	18.649		20.325			
9	17.329		17.159	0.28	21.484		19.976	0.06	19.064	0.08	21.177	1.09	17.201		15.946		19.040		21.992	0.06	18.682	0.09	20.311			
10	17.995		17.430	0.03	21.084		18.556		17.989		26.038	0.65	16.723		15.937		18.423		21.949	0.31	18.247		19.727			
11	20.667	0.17	17.559	0.11	19.949		18.193	0.01	17.891	0.13	24.900	0.22	17.207		15.806	0.39	17.402		20.519		17.904		18.871			
12	20.288		16.947	0.00	20.729		18.498	0.02	18.139	0.28	22.476		16.716		15.708		17.168		19.295		17.932		18.761			
13	18.904		17.371		20.173	0.02	17.009	0.04	20.464	0.15	19.764		16.469		15.733		16.776		18.068		16.968		18.173	0.21		
14	18.478		17.633		20.034		21.966	0.62	21.332	0.64	19.289		17.164	0.30	15.377		16.513		17.850	0.10	17.413		19.867	0.13		
15	18.446	0.01	20.531		19.547		34.841	0.54	22.536		18.455		16.697		16.435	0.09	16.511		18.238	0.08	16.626	0.02	18.984			
16	18.165		21.373		18.990		31.471		20.180		18.959	0.02	16.918	0.01	16.017	0.07	16.808		17.234		16.149		18.844			
17	18.058		20.948	0.02	20.013	0.18	25.629		19.385		18.399		16.203		17.721	0.83	16.488		16.927		17.069	0.17	18.451			
18	17.948		19.989		19.729		24.572	0.09	17.604	0.12	18.808	0.61	16.294		16.601		16.904		16.466		17.691	0.03	18.059			
19	17.139		25.408	0.34	19.640		22.976	0.03	17.971		24.053	0.24	16.132	0.02	16.150		16.502		16.549	0.09	17.622		18.284			
20	17.208		55.746	1.26	19.314		20.936		18.156	0.01	20.759	0.50	17.265	0.35	18.978	0.99	16.425		16.339	0.02	17.142		18.103	0.09		
21	17.686	0.01	51.247	0.02	18.850		21.162		29.731	0.95	30.590	1.22	19.264	0.10	20.743	0.22	16.067		16.220		18.167		19.242	0.04		
22	28.266	0.68	42.042		18.712		20.788		30.834	0.03	44.693	1.53	17.503	0.13	17.755		15.349		16.362		17.339		18.496			
23	26.213	0.04	33.721	0.06	17.698		21.207		24.739		35.288		17.497		17.305		15.565		15.712		16.332	0.08	17.953			
24	23.163	0.01	28.515	0.06	17.921		19.796		21.836		26.116		17.202		16.615	0.07	16.090		15.864		17.814	0.14	18.504			
25	21.235		28.329		17.307		19.872		20.351	0.24	23.347		16.609		16.582	0.04	16.839	0.10	15.887		19.759	1.31	16.747	0.03		
26	19.471		25.913		17.340	0.18	18.845		19.438		23.576	0.62	16.111		16.791		15.670		15.584		26.548	0.24	17.390			
27	19.233		24.090		22.032	0.35	17.990	0.01	18.131		25.106		15.867		16.948		15.314		15.507		24.576		21.130	0.64		
28	19.373		22.999	0.05	20.053	0.02	19.074		18.687		22.263		15.188		16.858	0.74	15.304	0.05	16.142	0.17	21.686		24.567	0.07		
29	18.714				20.036	0.06	19.038		18.383		21.172		15.143		26.134	0.63	15.012		15.829		20.257		21.916			
30	19.165				19.109		19.576		19.204	1.00	19.680		15.690		19.577		15.322		15.579	0.34	20.214		20.860		Yearly Totals	
31	18.832				19.503	0.05			19.718				16.068		17.703				18.809	0.34			26.628	0.72		Flow
TOT	591.918	0.93	669.307	2.38	645.781	1.45	628.132	1.59	627.272	4.19	662.452	7.10	528.401	1.40	526.500	4.27	523.718	2.25	559.437	5.09	566.457	3.04	660.840	3.08	7190.215	36.77
AVG	19.094	0.13	23.904	0.14	20.832	0.15	20.938	0.13	20.235	0.32	22.082	0.55	17.045	0.16	16.984	0.33	17.457	0.32	18.046	0.32	18.882	0.25	21.317	0.28	19.699	0.10
MIN	17.139	0.01	16.947	0.00	17.307	0.02	17.009	0.01	17.604	0.01	16.663	0.02	15.143	0.01	15.064	0.02	15.012	0.05	15.507	0.02	16.149	0.02	16.747	0.03	15.012	0.00
MAX	28.266	0.68	55.746	1.26	28.429	0.45	34.841	0.62	30.834	1.00	44.693	1.53	19.505	0.35	26.134	0.99	22.556	0.99	27.283	1.17	26.548	1.31	39.781	1.08	55.746	1.53

YEAR TOTAL PRECIPITATION 36.77 IN.
NOTE: BOLD FIGURES DESIGNATE SNOW.
ITALIC FIGURES DESIGNATE RAIN AND SNOW MIX.