

**RAW INFLUENT STRENGTH ( Heart of the Valley Metropolitan Sewerage Facility)**

**August 2022**

MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE		
	Million * Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month
Jan	144.3	4.7	264	10,292	319,047	351	13,608	421,860	6.54	253	7,858	50.2	1947	60,352	722	28,567	857,010
Feb	129.3	4.6	267	10,291	288,149	375	14,417	403,684	6.64	256	7,158	46.7	1765	49,409	859	33,186	929,200
Mar	236.2	7.6	203	11,759	352,759	259	14,736	456,826	4.42	250	7,758	32.5	1795	55,652	716	41,706	1,292,877
Apr	272.3	9.1	147	10,865	325,941	184	13,580	407,390	3.28	240	7,200	24.5	1775	55,039	511	33,214	1,029,625
May	222.5	7.2	178	10,477	324,787	272	16,081	498,519	4.82	277	8,587	32.2	1864	57,788	628	37,491	1,162,212
Jun	222.1	7.4	184	11,216	336,483	247	14,893	446,787	4.72	282	8,475	30.6	1853	55,589	655	39,747	1,192,416
Jul	188.0	6.1	203	10,237	317,346	267	13,520	419,128	4.82	242	7,489	34.4	1729	53,589	672	33,458	1,037,185
Aug	204.2	6.6	204	10,974	340,186	275	14,567	451,585	5.13	265	8,205	31.9	1692	52,461	651	34,287	1,062,895
Sep																	
Oct																	
Nov																	
Dec																	
<b>Average</b>	202.4	6.7	206	10,764	325,587	279	14,425	438,222	5.04	258	7,841	35.4	1,803	54,985	677	35,207	1,070,427
<b>Yearly Total</b>	1,618.9				2,604,698			3,505,778			62,729			439,878			8,563,419

\*Includes Hauled Waste  
[Plant Design Capacity] = **8.5**  
(Hauled Waste Gallons)= 287,210  
[Max Design Capacity] = **11.9**  
August % of Capacity = 55%  
August Max Daily Flow = 11.55

	<b>13,565</b>	<b>12,209</b>	<b>339</b>	<b>1,600</b>
	<b>16,278</b>	<b>14,651</b>	<b>407</b>	<b>1,920</b>
	67%	99%	65%	88%

**EFFLUENT QUALITY**

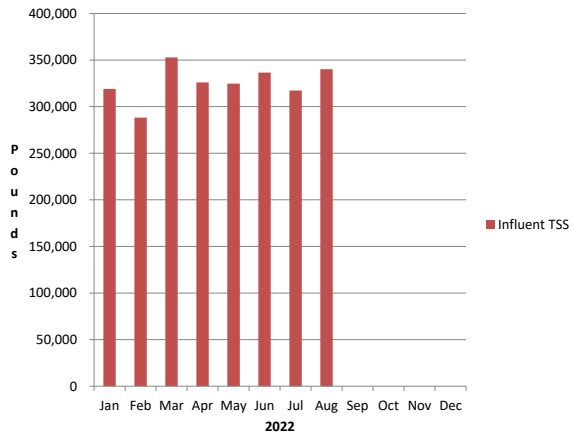
MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE
	Million Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L
Jan	61.6	2.0	12.8	212	6,561	10.5	173	5,364	0.34	5.6	173	0.46	8.0	249	746
Feb	63.2	2.3	13.3	249	6,976	11.3	211	5,918	0.33	6.3	177	0.49	9.1	254	829
Mar	151.3	4.9	21.0	1,122	33,655	15.1	746	23,115	0.37	17.9	554	0.49	20.4	571	699
Apr	189.3	6.3	19.2	629	18,878	10.9	586	17,593	0.21	11.8	353	0.83	42.5	1,190	520
May	158.7	5.1	9.6	484	14,532	11.9	513	15,912	0.22	9.8	304	1.39	62.6	1,752	644
Jun	122.7	4.1	12.4	255	7,389	8.8	290	8,694	0.18	5.8	174	0.86	29.1	874	633
Jul	82.8	2.7	21.2	409	12,668	12.8	284	8,819	0.33	7.3	226	0.36	7.7	240	663
Aug	100.4	3.2	16.4	441	13,675	11.4	301	9,335	0.36	9.2	284	0.41	9.7	300	647
Sep															
Oct															
Nov															
Dec															
<b>Average</b>	116.2	3.8	15.7	475	14,292	11.6	388.1	11,844	0.29	9.2	280.7	0.66	23.6	678.7	673
<b>Yearly Total</b>	930.0				114,335			94,750			2,245			5,429.4	

Monthly Avg Limit	
Jan- Marc	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct- Dec	18 mg/L

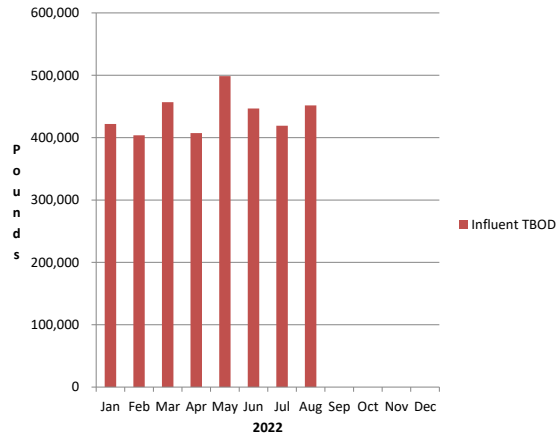
Effluent Gallons to Fox Energy  
(August)  
Million Gallons % to Fox Energy  
103.82 51%

August	<b>Avg #'s</b>	6 mo. Avg #'s	<b>8.03</b>	May-Oct
WEEK 1	<b>443</b>			
WEEK 2	<b>506</b>			
WEEK 3	<b>494</b>			
WEEK 4	<b>375</b>			

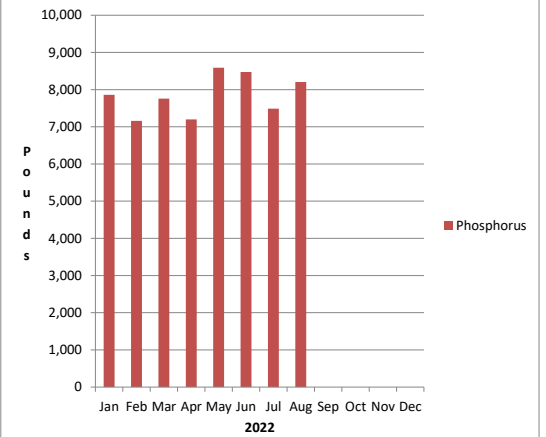
**Influent TSS Total Pounds/Mo.**



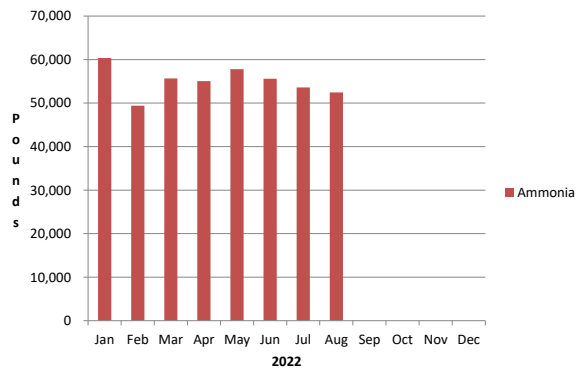
**Influent BOD Total Pounds / Mo.**



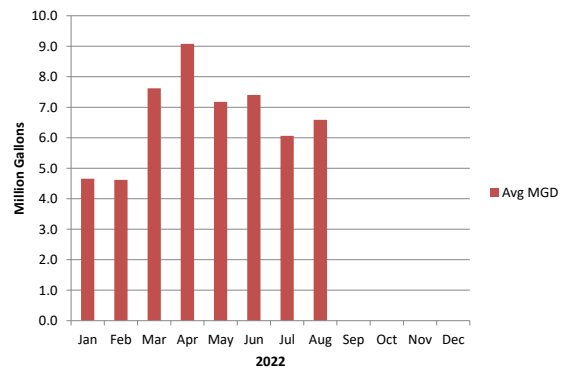
**Influent Phosphorus Total Pounds/Mo.**



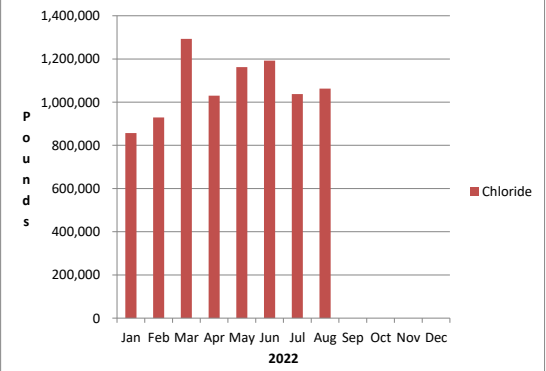
**Influent Ammonia Total Pounds/Mo.**



**Avg Influent MGD/Mo.**



**Influent Chloride Total Pounds/Mo.**



# RAIN GAUGES

## DAILY RAINFALL TOTALS

**MONTH:** AUGUST

**YEAR:** 2022

<u>DATE</u>	<u>PLANT INCHES</u>	<u>KAUKAUNA INCHES</u>	<u>LITTLE CHUTE INCHES</u>	<u>KIMBERLY INCHES</u>	<u>DARBOY INCHES</u>
1	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	
3	0.42	0.08	0.33	0.06	
4	0.00	0.00	0.00	0.00	
5	0.00	0.01	0.00	0.01	
6	0.00	0.00	0.01	0.00	
7	1.83	0.39	1.65	0.41	
8	0.19	0.05	0.21	0.04	
9	0.00	0.00	0.00	0.00	
10	0.05	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	
12	0.00	0.14	0.05	0.00	
13	0.63	0.14	0.70	0.14	
14	0.00	0.00	0.01	0.00	
15	0.00	0.01	0.00	0.00	
16	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	
19	0.31	0.02	0.02	0.00	
20	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	
24	0.12	0.03	0.15	0.05	
25	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	
27	0.11	0.03	0.14	0.04	
28	0.61	0.15	0.40	0.08	
29	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	0.00	
<b>TOTAL:</b>	4.27	1.05	3.67	0.83	0.00