

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

July 2024

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	195.7	6.3	200	10,529	322,474	239	12,606	384,941	4.62	243	7,271	35.0	1841	55,081	735	38,714	1,185,582
Feb	200.5	6.9	203	11,712	335,199	231	13,306	380,481	4.81	277	7,753	31.5	1815	51,806	671	38,668	1,110,798
Mar	201.0	6.5	202	10,905	331,561	230	12,440	375,775	4.69	253	7,706	33.5	1811	55,173	683	36,936	1,126,901
Apr	252.4	8.4	164	11,479	320,482	185	12,958	363,130	3.68	258	7,309	26.0	1827	51,734	612	42,964	1,235,989
May	233.9	7.5	175	11,028	333,803	200	12,578	380,309	3.95	249	7,343	27.1	1708	51,132	598	37,655	1,093,982
Jun	271.5	9.1	144	10,869	300,719	169	12,757	351,636	3.59	271	7,666	22.6	1704	47,274	515	38,842	1,123,849
Jul	290.9	9.4	145	11,388	329,615	161	12,588	353,460	3.33	260	7,124	21.0	1642	48,564	522	40,883	1,212,590
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	235.1	7.7	176	11,130	324,836	202	12,748	369,962	4.10	259	7,453	28.1	1,764	51,538	620	39,237	1,155,670
Yearly Total	1,645.9				2,273,853			2,589,731			52,172			360,765			8,089,691

*Includes Hauled Waste
 [Plant Design Capacity] = **8.5**
 [Hauled Waste Gallons]= 248,270
 [Max Design Capacity] = **11.9**
 July % of Capacity = 79%
 July Max Daily Flow = 17.36

13,565
12,209
339
1,600
16,278
14,651
407
1,920
 70%
 86%
 64%
 86%

EFFLUENT QUALITY

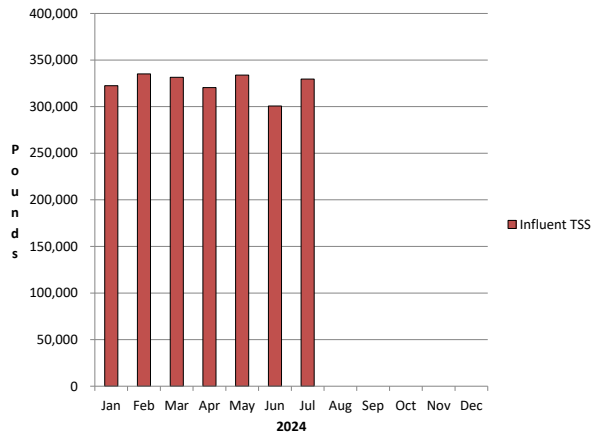
MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE
	Million Gallons	Avg MGD	Avg mg/L	Avg #/day	Total # /Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L
Jan	109.3	3.5	11.8	346	10,416	10.3	304	9,284	0.40	11.9	357	0.38	11.3	329	755
Feb	115.5	4.0	6.8	225	6,461	6.1	203	5,842	0.26	8.5	236	0.19	6.3	158	672
Mar	111.9	3.6	7.2	217	6,567	5.9	177	5,383	0.28	8.5	255	0.24	7.2	189	700
Apr	189.5	6.3	6.9	365	11,440	5.4	285	8,512	0.25	13.1	384	0.20	10.5	294	583
May	131.7	4.2	9.0	319	10,633	7.6	268	8,763	0.46	16.2	487	0.41	14.4	486	586
Jun	177.3	5.9	6.7	330	9,565	5.6	278	8,088	0.21	10.5	307	0.27	13.4	309	498
Jul	189.4	6.1	5.0	257	7,682	5.2	266	8,278	0.16	8.2	249	0.21	10.9	380	522
Aug															
Sep															
Oct															
Nov															
Dec															
Average	146.4	4.8	7.6	294	8,967	6.6	254.4	7,736	0.29	11.0	325.0	0.27	10.6	306.5	617
Yearly Total	1,024.6				62,766			54,150			2,275			2,145.3	

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

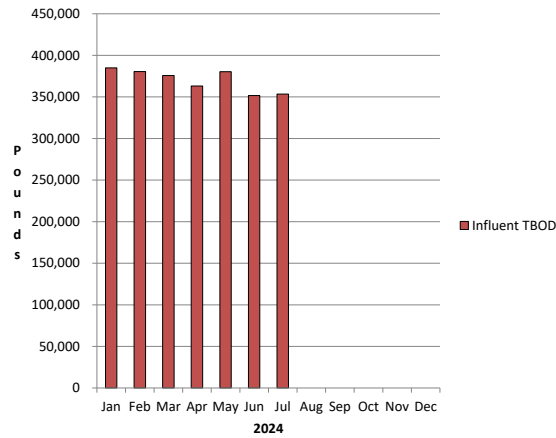
Effluent Gallons to Fox Energy (July)	
94.16	35%

July	Avg #/s	6 mo. Avg #/s	May-Oct
WEEK 1	358	11.34	
WEEK 2	227		
WEEK 3	242		
WEEK 4	233		

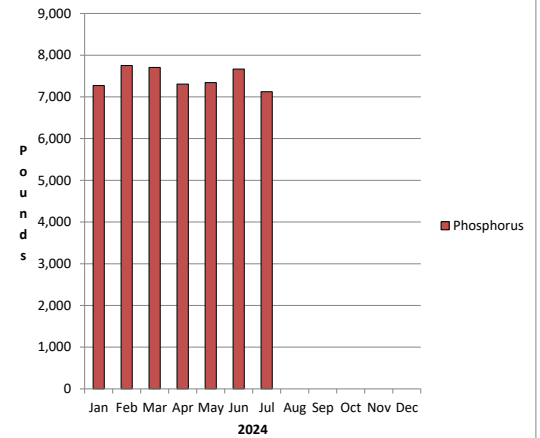
Influent TSS Total Pounds/Mo.



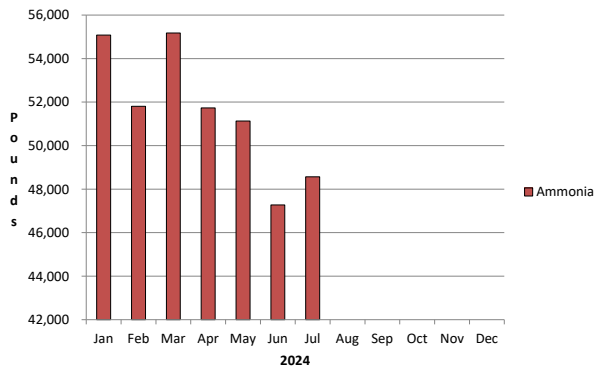
Influent BOD Total Pounds / Mo.



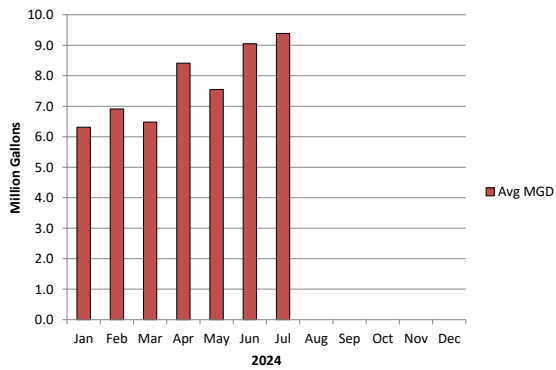
Influent Phosphorus Total Pounds/Mo.



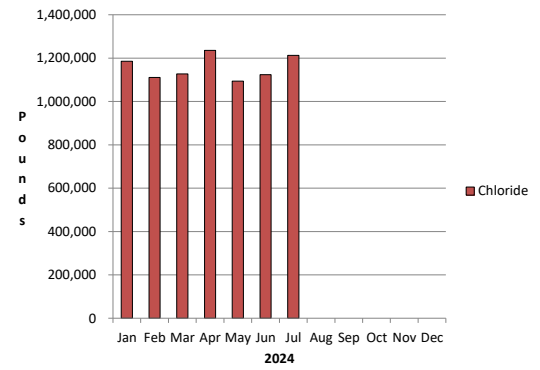
Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.



RAIN GAUGES						
DAILY RAINFALL TOTALS						
MONTH:	JULY		YEAR:	2024		
	PLANT	KAUKAUNA	LITTLE CHUTE	KIMBERLY	DARBOY	
DATE	INCHES	INCHES	INCHES	INCHES	INCHES	
1	0.00	0.00	0.00	0.00	0.00	
2	1.28	1.37	1.36	1.51	1.56	
3	0.03	0.03	0.04	0.04	0.05	
4	0.03	0.03	0.04	0.07	0.09	
5	0.98	0.83	1.24	0.45	0.32	
6	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	
8	0.14	0.15	0.23	0.30	0.31	
9	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	
13	1.30	1.57	1.82	2.30	2.72	Diversion
14	0.07	0.06	0.07	0.09	0.08	
15	0.00	0.00	0.00	0.00	0.00	
16	0.06	0.18	0.12	0.14	0.13	
17	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.08	0.00	0.00	
23	0.26	0.35	0.50	0.47	0.54	
24	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.09	
29	0.16	0.25	0.10	0.03	0.05	
30	0.00	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	0.00	0.00	
TOTAL:	4.31	4.82	5.60	5.40	5.94	