

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

March 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																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	199.0	6.6	202	11,049	329,745	233	12,784	380,399	4.71	258	7,577	33.3	1,823	54,020	696	38,106	1,141,094
Yearly Total	597.1				989,234			1,141,196			22,730			162,061			3,423,281

*Includes Hauled Waste
 [Plant Design Capacity] = 8.5
 [Hauled Waste Gallons]= 0
 [Max Design Capacity] = 11.9
 March % of Capacity = 54%
 March Max Daily Flow = 11.60

	13,565	12,209	339	1,600
	16,278	14,651	407	1,920
	67%	85%	62%	94%

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															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Average	112.2	3.7	8.6	263	7,815	7.4	227.9	6,836	0.31	9.6	282.6	0.27	8.3	225.3	709
Yearly Total	336.7				23,445			20,509			848			675.9	

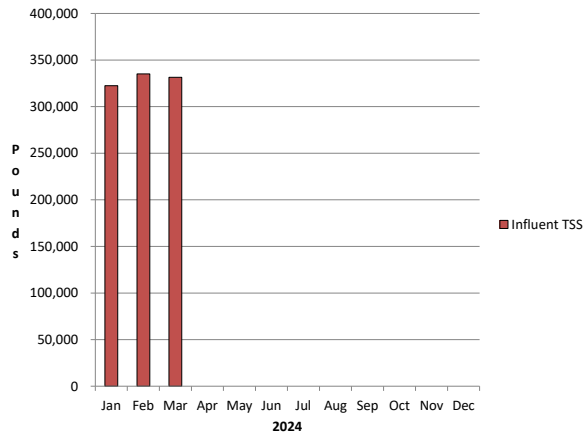
	Monthly Avg Limit
Jan- Marc	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct- Dec	18 mg/L

Effluent Gallons to Fox Energy (March)	
89.54	45%

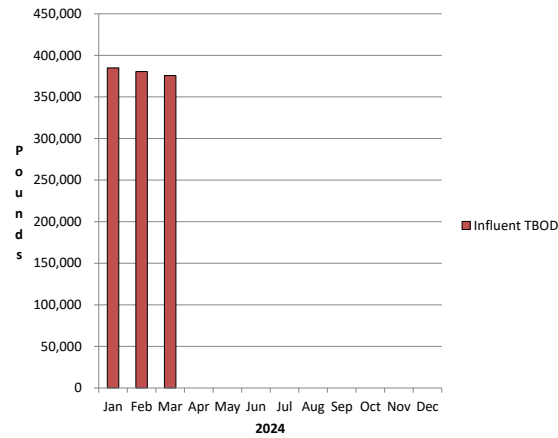
March	Avg #'s
WEEK 1	176
WEEK 2	198
WEEK 3	209
WEEK 4	262

6 mo. Avg #'s 11.07 Nov-April

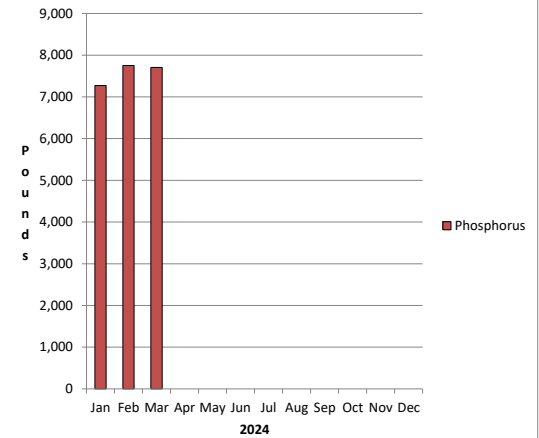
Influent TSS Total Pounds/Mo.



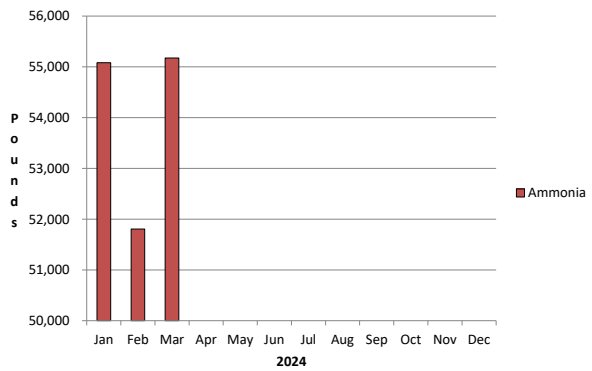
Influent BOD Total Pounds / Mo.



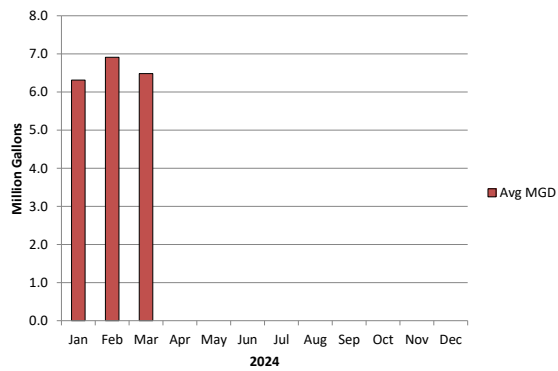
Influent Phosphorus Total Pounds/Mo.



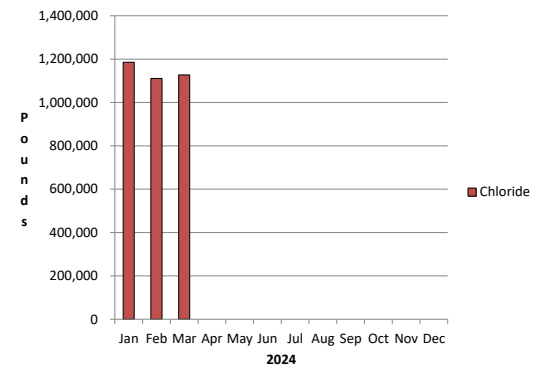
Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.



RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: MARCH

YEAR: 2024

<u>DATE</u>	<u>PLANT</u> <u>INCHES</u>	<u>KAUKAUNA</u> <u>INCHES</u>	<u>LITTLE CHUTE</u> <u>INCHES</u>	<u>KIMBERLY</u> <u>INCHES</u>	<u>DARBOY</u> <u>INCHES</u>
1	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00
4	0.29	0.29	0.33	0.30	0.32
5	0.03	0.04	0.03	0.02	0.03
6	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00
8	0.17	0.15	0.20	0.15	0.23
9	0.04	0.01	0.04	0.01	0.04
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	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00
23	0.11	0.04	0.07	0.06	0.13
24	0.02	0.01	0.01	0.01	0.00
25	0.47	0.51	0.63	0.50	0.66
26	0.29	0.32	0.33	0.28	0.34
27	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00
30	0.02	0.01	0.03	0.01	0.01
31	0.00	0.00	0.00	0.00	0.00
TOTAL:	1.44	1.38	1.67	1.34	1.76