

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

June 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	271.3	9.0	144	10,862	300,615	169	12,749	351,465	3.59	271	7,662	22.6	1703	47,250	515	38,819	1,123,028
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Average</b>	225.8	7.5	181	11,086	324,022	209	12,773	372,683	4.22	259	7,507	29.3	1,784	52,029	636	38,959	1,146,047
<b>Yearly Total</b>	1,354.8				1,944,134			2,236,100			45,044			312,177			6,876,281

\*Includes Hauled Waste

[Plant Design Capacity] = 8.5

13,565

12,209

339

1,600

[Hauled Waste Gallons]= 248,270

[Max Design Capacity] = 11.9

16,278

14,651

407

1,920

June % of Capacity = 76%

67%

87%

67%

89%

June Max Daily Flow = 18.09

**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	177.2	5.9	6.7	330	9,558	5.6	278	8,082	0.21	10.5	307	0.27	13.4	309	498
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Average</b>	139.2	4.6	8.1	300	9,179	6.8	252.4	7,644	0.31	11.5	337.6	0.28	10.5	294.2	633
<b>Yearly Total</b>	835.0				55,077			45,866			2,026			1,765.4	

Monthly Avg Limit

Jan- Marc 10 mg/L

April-May 11 mg/L

June-Sept 4.4 mg/L

Oct- Dec 18 mg/L

{PERMIT LIMITS (WDNR) →

Monthly (Avg) 801#

Monthly Avg 30 mg/L

Monthly Avg 31.5#

Weekly (Avg) 1345#

Weekly Avg 45 mg/L

6 mo Avg 10.5#

Daily Max (mg/L) 30

WLA May-Oct

Daily Max mg/L 1.0

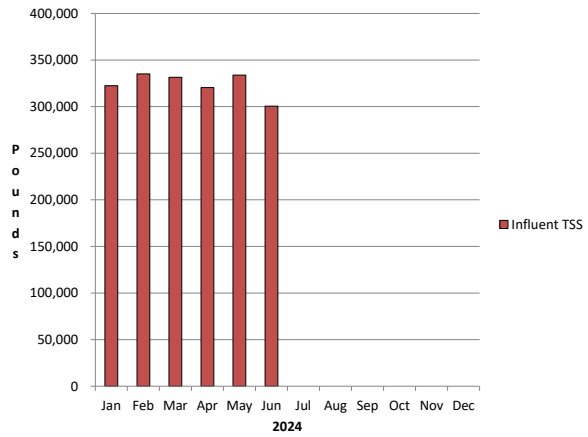
Effluent Gallons to Fox Energy (June)

94.16	35%
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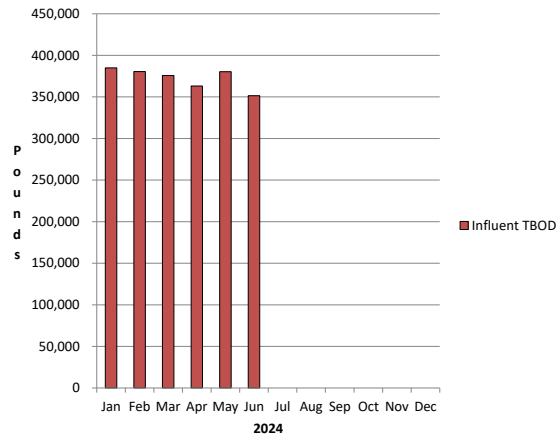
June	Avg #'s
WEEK 1	332
WEEK 2	235
WEEK 3	222
WEEK 4	502

6 mo. Avg #'s 13.01 May-Oct

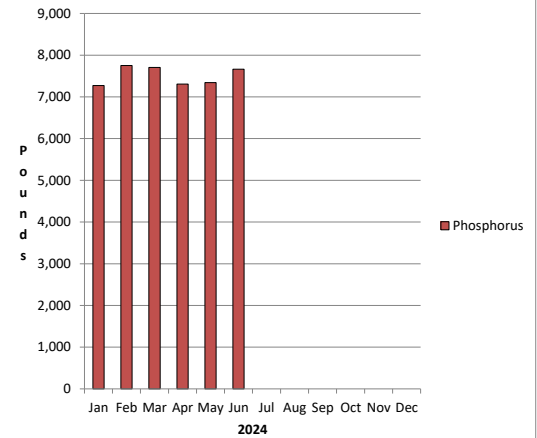
**Influent TSS Total Pounds/Mo.**



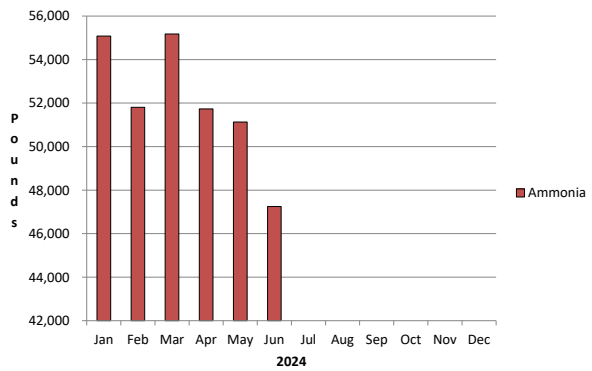
**Influent BOD Total Pounds / Mo.**



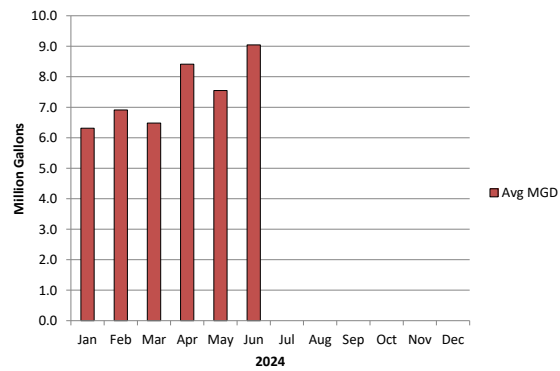
**Influent Phosphorus Total Pounds/Mo.**



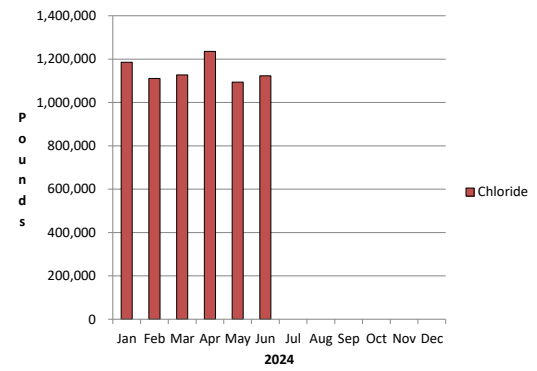
**Influent Ammonia Total Pounds/Mo.**



**Avg Influent MGD/Mo.**



**Influent Chloride Total Pounds/Mo.**



# RAIN GAUGES

## DAILY RAINFALL TOTALS

MONTH: JUNE

YEAR: 2024

<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	0.12	0.14	0.15	0.16	0.15
2	0.00	0.00	0.00	0.00	0.00
3	0.71	0.73	0.60	0.40	0.50
4	0.00	0.01	0.00	0.00	0.00
5	0.13	0.12	0.14	0.13	0.13
6	0.00	0.00	0.01	0.01	0.01
7	0.00	0.00	0.00	0.00	0.00
8	0.29	0.30	0.23	0.28	0.28
9	0.00	0.01	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	0.26	0.26	0.20	0.17	0.21
14	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00
16	0.30	0.32	0.41	0.33	0.45
17	0.37	0.23	0.37	0.30	0.22
18	0.01	0.11	0.01	0.06	0.01
19	0.33	0.38	0.46	0.38	0.36
20	0.23	0.21	0.19	0.21	0.22
21	0.37	0.43	0.44	0.45	0.48
22	1.21	1.23	1.25	1.28	1.38
23	0.01	0.02	0.01	0.03	0.00
24	0.00	0.03	0.00	0.01	0.00
25	1.00	1.02	1.01	1.20	1.20
26	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00
28	0.62	0.62	0.70	0.73	1.01
29	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00
<b>TOTAL:</b>	5.96	6.17	6.18	6.13	6.61