

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

February 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																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	198.1	6.6	202	11,121	328,836	235	12,956	382,711	4.71	260	7,512	33.2	1,828	53,444	703	38,691	1,148,190
Yearly Total	396.1				657,673			765,422			15,024			106,887			2,296,380

*Includes Hauled Waste

[Plant Design Capacity] = 8.5

[Hauled Waste Gallons]= 132,830

[Max Design Capacity] = 11.9

February % of Capacity : 58%

13,565

16,278

72%

12,209

14,651

91%

339

407

68%

1,600

1,920

95%

February Max Daily Flow = 9.07

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															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Average	112.4	3.8	9.3	286	8,439	8.2	253.3	7,563	0.33	10.2	296.2	0.29	8.8	243.6	714
Yearly Total	224.8				16,878			15,126			592			487.2	

Monthly Avg Limit

Jan- Marc 10 mg/L

April-May 11 mg/L

June-Sep 4.4 mg/L

Oct- Dec 18 mg/L

{PERMIT LIMITS (WDNR) →

Monthly (Avg) 801#

Weekly (Avg) 1345#

Daily Max (mg/L) 30

Monthly Avg 30 mg/L

Weekly Avg 45 mg/L

WLA May-Oct

Monthly Avg 31.5#

6 mo Avg 10.5#

Daily Max mg/L 1.0

Effluent Gallons to Fox Energy (February)

84.95 42%

February Avg #'s

WEEK 1 311

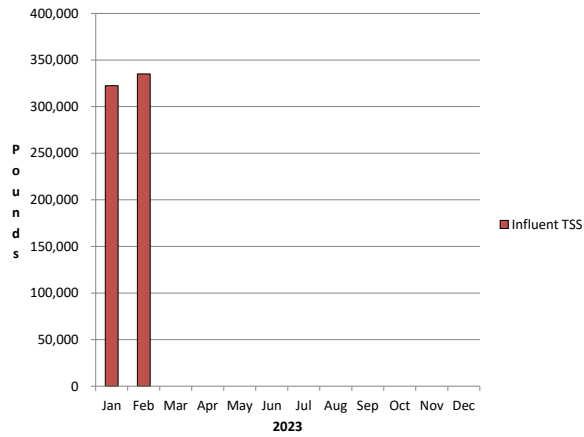
WEEK 2 228

WEEK 3 168

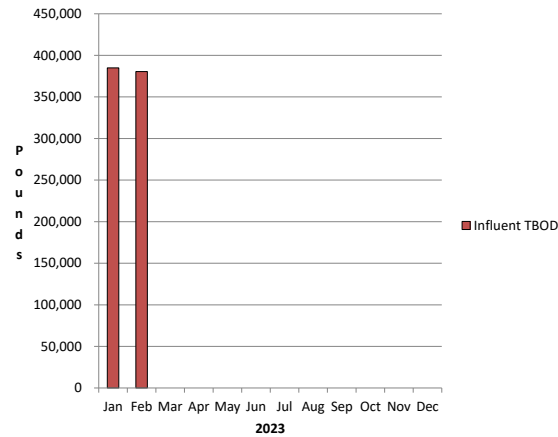
WEEK 4 188

6 mo. Avg #'s 11.80 Nov-April

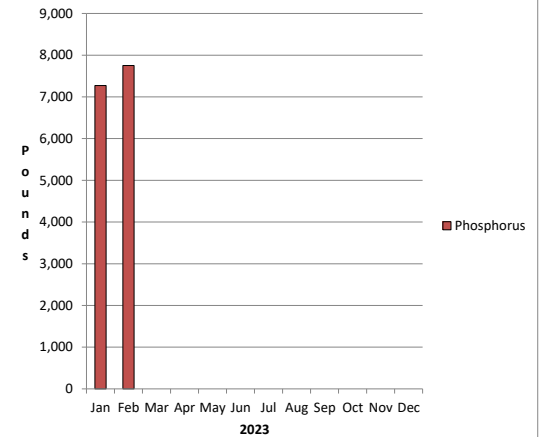
Influent TSS Total Pounds/Mo.



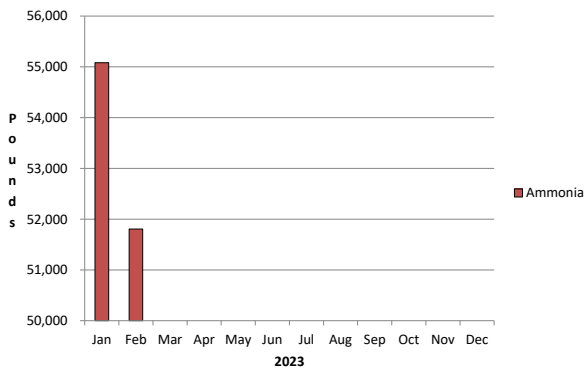
Influent BOD Total Pounds / Mo.



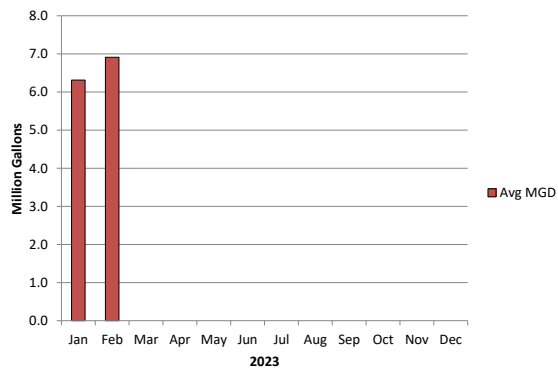
Influent Phosphorus Total Pounds/Mo.



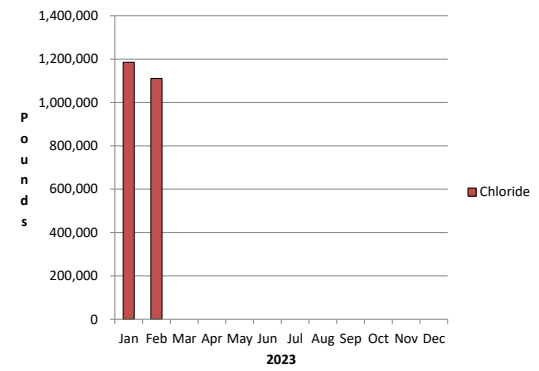
Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.



RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: FEBRUARY

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	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00
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	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	0.00	0.00	0.00	0.00	0.00
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	0.00
29	0.00	0.00	0.00	0.00	0.00
TOTAL:	0.00	0.00	0.00	0.00	0.00