

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

June 2021

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	151.4	4.9	217	8,736	270,817	300	12,085	374,624	6.05	243	7,528	49.0	1961	60,780	702	28,228	875,077
Feb	135.2	4.8	231	8,334	258,362	311	12,383	346,731	5.91	235	6,583	46.4	1641	50,873	796	28,751	891,291
Mar	227.7	7.3	150	9,098	282,028	212	12,818	397,347	3.89	234	7,264	32.0	1,929	59,806	590	35,765	1,108,705
Apr	202.9	6.8	179	9,975	299,254	231	12,852	385,562	4.36	241	7,241	34.4	1,790	55,483	580	30,560	916,811
May	198.4	6.4	182	9,555	296,212	264	13,942	432,203	4.92	260	8,054	37.9	1,926	59,693	631	34,789	1,043,666
June	191.7	6.4	204	10,428	312,840	296	14,746	442,373	5.10	255	7,646	37.4	1,831	54,919	679	33,103	993,089
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Yearly Average</b>	184.5	6.1	194	9,354	286,586	269	13,138	396,473	5.04	245	7,386	39.5	1,846	56,926	663	31,866	971,440
<b>Yearly Total</b>	1,107.3				1,719,513			2,378,841			44,317			341,554			5,828,638

\*Includes Hauled Waste  
[Plant Design Capacity] →

8.5

13,565

12,209

339

1,600

(Hauled Waste Gallons)= 166,510

[Max Design Capacity] →

11.9

16,278

14,651

407

1,920

June % of Max Capacity→

54%

64%

101%

63%

95%

June Max Daily Flow (MGD) 13.65

**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	63.8	2.1	10.9	185	5,721	9.3	160	4,957	0.31	5.2	163	0.42	7.8	242	707
Feb	66.3	2.4	11	206	5,759	10	196	5,499	0.31	5.9	167	0.42	7.7	238	808
Mar	136.9	4.4	7.1	259	8,037	7.0	260	8,070	0.20	7.4	229	0.28	10.0	310	603
Apr	123.5	4.1	6.5	222	6,664	5.8	198	5,945	0.19	6.4	193	0.31	10.2	315	600
May	138.3	4.5	5.8	211	6,552	6.2	221	6,864	0.28	9.8	304	0.38	13.0	404	656
June	93.5	3.1	9.8	290	8,712	9.9	262	7,865	0.37	9.4	281	0.37	7.7	240	673
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Yearly Average</b>	103.7	3.4	8.5	229	6,907	8.1	216.4	6,533	0.28	7.4	223	0.36	9.4	291.3	675
<b>Yearly Total</b>	622.3				41,445			39,200			1,336			1,748.0	

Monthly Avg Limit

Jan- March 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 June-Oct

Daily Max mg/L 1.0

Effluent Gallons to Fox Energy

(June)

Million Gallons	% to Fox Energy
98.24	51%

June Avg #'s

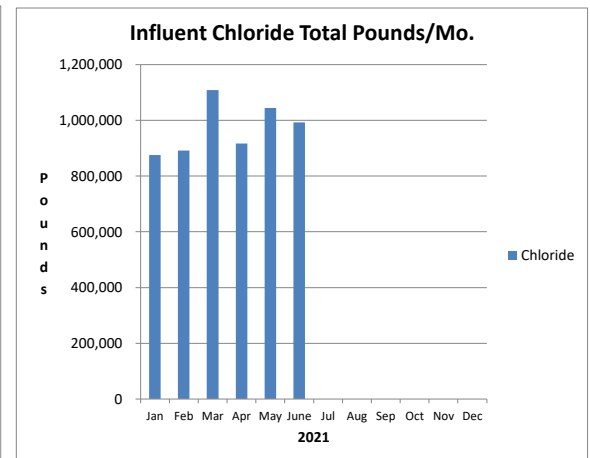
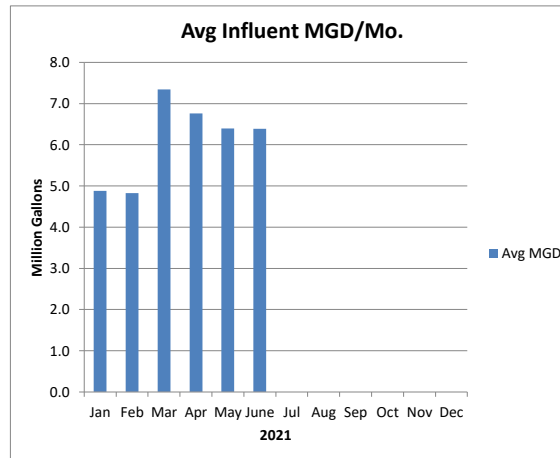
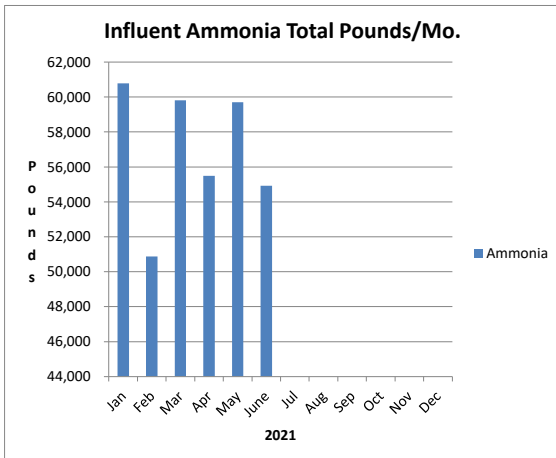
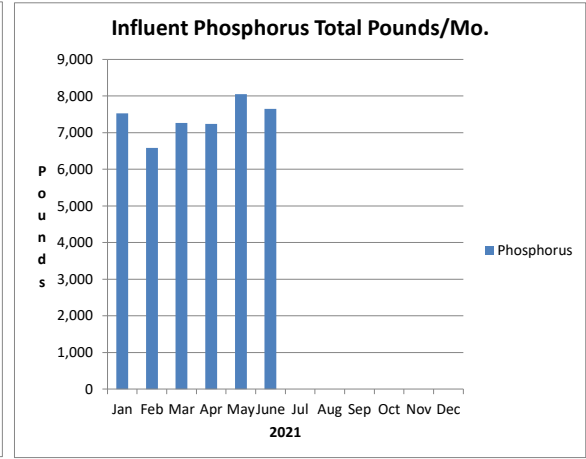
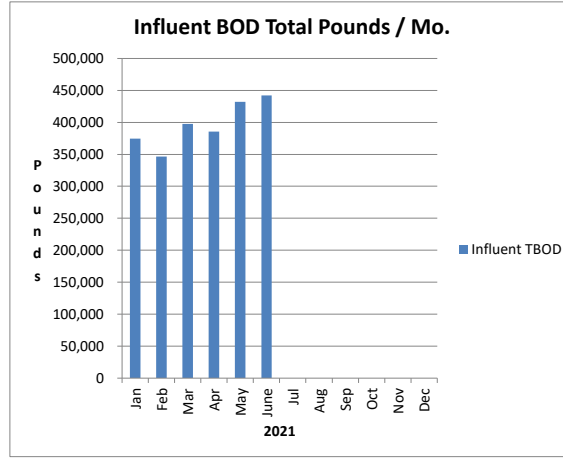
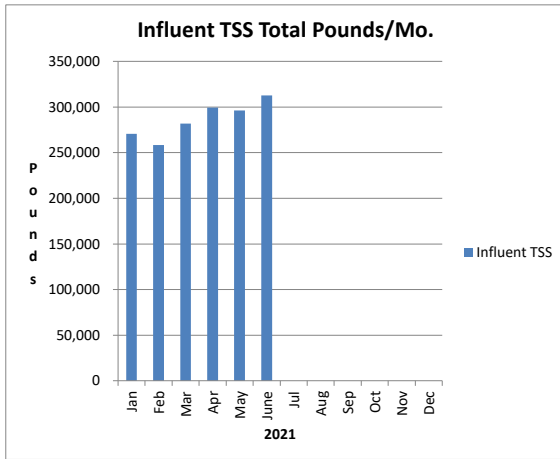
WEEK 1 122

WEEK 2 152

WEEK 3 210

WEEK 4 610

6 mo. Avg # 9.59 June-Oct



# RAIN GAUGES

## DAILY RAINFALL TOTALS

MONTH: JUNE

YEAR: 2021

<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	0.01	0.01	0.01	0.01	0.00
2	0.00	0.00	0.00	0.00	0.00
3	0.09	0.10	0.09	0.06	0.11
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	0.01	0.00	0.00	0.01	0.01
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	0.15	0.08	0.03	0.00	0.00
14	0.02	0.01	0.00	0.02	0.01
15	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00
17	0.17	1.67	0.16	0.16	0.24
18	Faulty	0.07	0.08	1.79	0.26
19	Faulty	0.34	0.42	0.35	0.29
20	Faulty	0.15*	0.19	0.18	0.16
21	Faulty	0.00	0.00	0.00	0.01
22	Faulty	0.00	0.00	0.00	0.00
23	Faulty	0.00	0.00	0.00	0.00
24	Faulty	0.55	0.63	0.67	0.62
25	Faulty	0.00	0.00	0.00	0.00
26	Faulty	2.18	1.97	2.13	2.18
27	Faulty	0.11	0.31	0.36	0.43
28	Faulty	0.01	0.00	0.00	0.00
29	Faulty	0.05	0.21	0.14	0.16
30	Faulty	0.02	0.00	0.00	0.11
<b>TOTAL:</b>	0.45	5.20	4.10	5.88	4.59

\* Read 12.72. ( used approx)