

INFLUENT STRENGTH (Heart of the Valley Metropolitan Sewerage Facility)

May 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
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Yearly Average	183.1	6.0	192	9,140	281,335	264	12,816	387,294	5.02	243	7,334	39.9	1,849	57,327	660	31,619	967,110
Yearly Total	915.6				1,406,673			1,936,468			36,670			286,635			4,835,550
*Includes Hauled Waste [Plant Design Capacity]																	
		8.5		13,565			12,209			339			1,600				
[Max Design Capacity]																	
	11.9		16,278			14,651			407			1,920					
May % of Capacity																	
	54%		59%			95%			64%			100%					

May Max Daily Flow 8.97

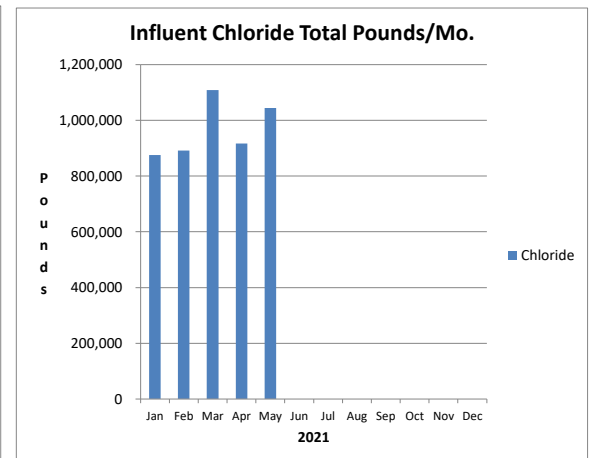
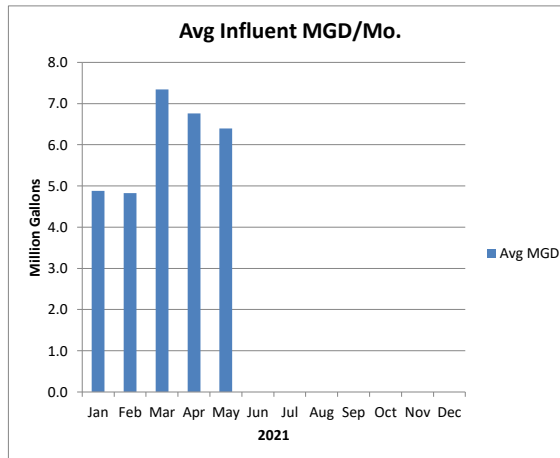
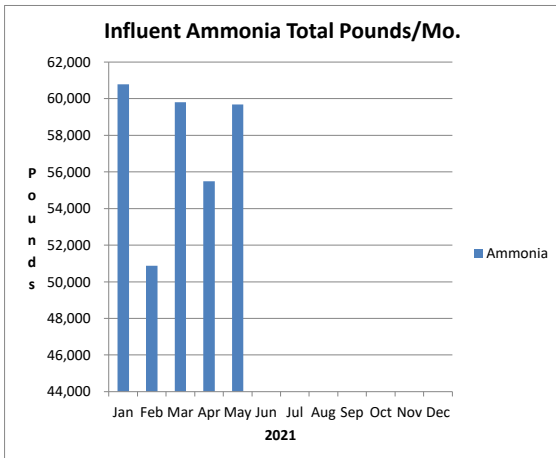
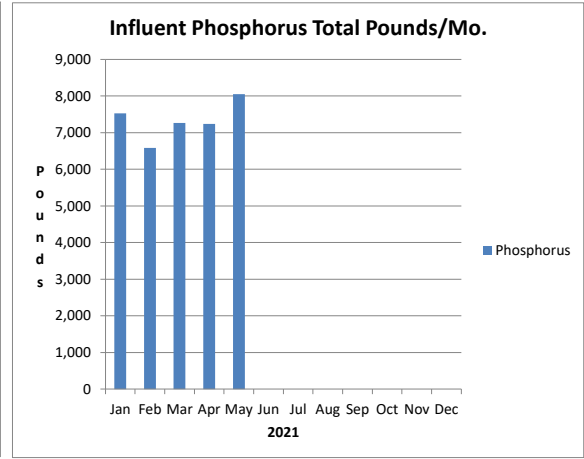
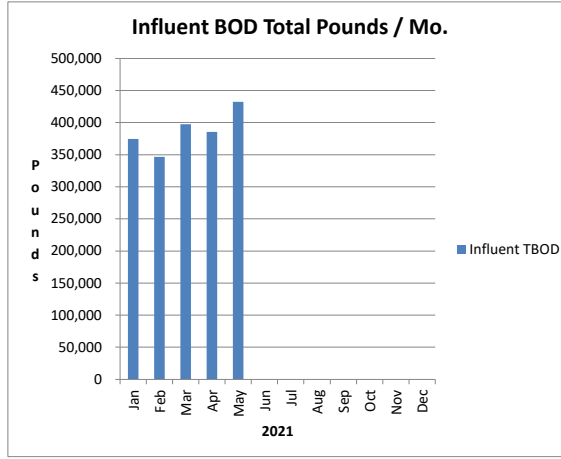
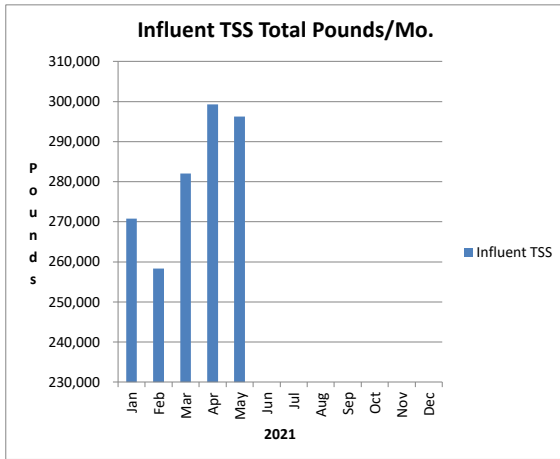
EFFLUENT QUALITY

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	
Jun																
Jul																
Aug																
Sep																
Oct																
Nov																
Dec																
Yearly Average	105.8	3.5	8.2	217	6,547	7.7	207.2	6,267	0.26	7.0	211	0.36	9.7	301.6	675	
Yearly Total	528.8				32,733			31,335			1,056			1,507.9		
Effluent Gallons to Fox Energy (May)																
Million Gallons % to Fox Energy																
60.10 30%																
Effluent Gallons to Fox Energy (May)																
WEEK 1 327																
WEEK 2 241																
WEEK 3 143																
WEEK 4 169																

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#
Weekly (Avg)	1345#
Daily Max (mg/L)	30
Monthly Avg	30 mg/L
Weekly Avg	45 mg/L
WLA May-Oct	31.5#
6 mo Avg	10.5#
Daily Max mg/L	1.0

6 mo. Avg # 9.80 May-Oct



RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: MAY

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	0.00	0.00	0.00	0.00	0.00
2	0.60	0.82	0.68	0.82	0.90
3	0.32	0.35	0.33	0.35	0.40
4	0.00	0.01	0.00	0.01	0.01
5	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00
7	0.02	0.00	0.00	0.00	0.02
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	0.27	0.25	0.39	0.31	0.28
20	0.00	0.00	0.00	0.00	0.00
21	0.11	0.15	0.21	0.21	0.18
22	0.00	0.00	0.01	0.00	0.00
23	0.30	0.00	0.00	0.00	0.00
24	0.09	0.13	0.11	0.13	0.15
25	0.25	0.21	0.25	0.28	0.29
26	0.04	0.03	0.02	0.03	0.03
27	0.41	0.36	0.41	0.47	0.42
28	0.00	0.01	0.01	0.01	0.01
29	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00
31	0.18	0.21	0.18	0.23	0.15
TOTAL:	2.59	2.53	2.60	2.85	2.84