

INFLUENT STRENGTH (Heart of the Valley Metropolitan Sewerage Facility)

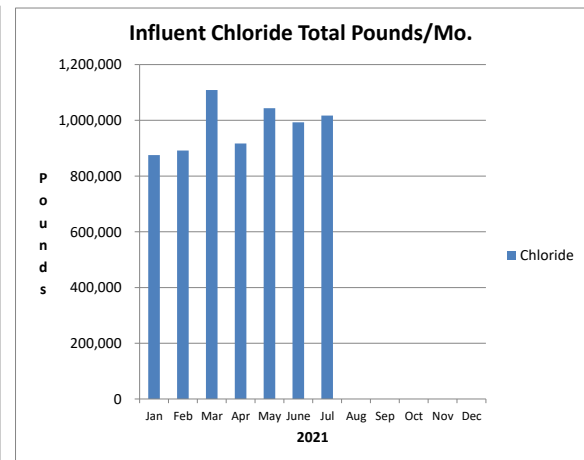
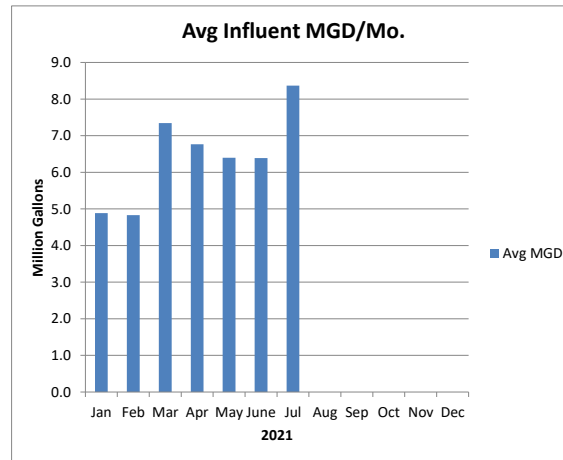
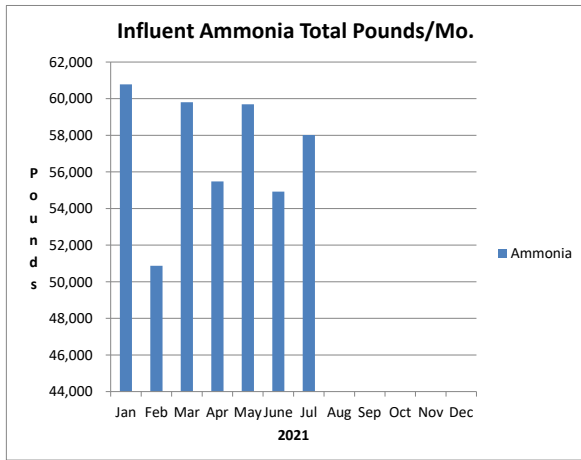
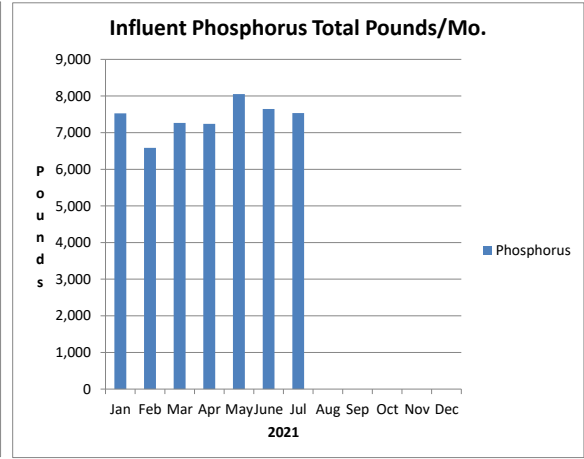
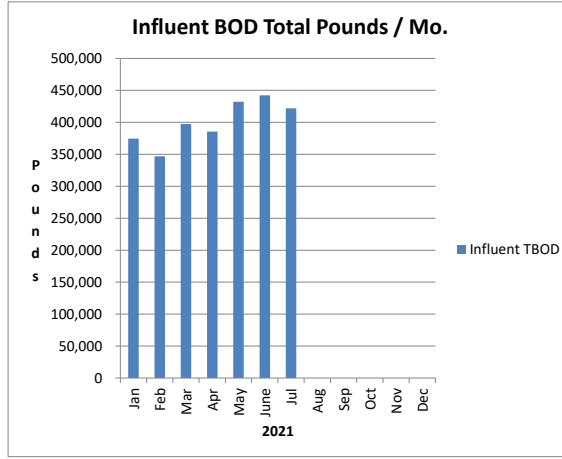
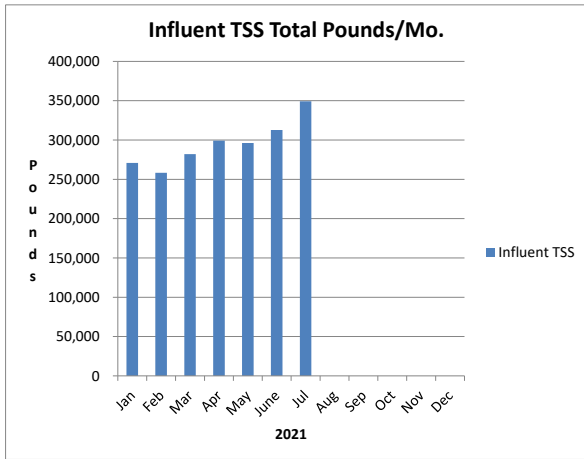
July 2021

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	259.3	8.4	163	11,266	349,258	203	13,606	421,799	3.63	243	7,536	28.3	1,872	58,018	499	32,811	1,017,148
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Yearly Average	195.2	6.4	190	9,628	295,539	260	13,205	400,091	4.84	244	7,407	37.9	1,850	57,082	640	32,001	977,969
Yearly Total	1,366.6				2,068,772			2,800,639			51,852			399,573			6,845,786
*Includes Hauled Waste [Plant Design Capacity] →		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons)= 240,930 [Max Design Capacity] →		11.9		16,278			14,651			407			1,920				
July % of Max Capacity →		70%		69%			93%			60%			97%				

July Max Daily Flow (MGD) 14.52

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	165.4	5.3	15.1	725	22,480	13.5	628	19,465	0.34	15.4	477	0.45	21.1	654	493	
Aug																
Sep																
Oct																
Nov																
Dec																
Yearly Average	112.5	3.7	9.4	300	9,132	8.8	275.2	8,381	0.29	8.5	259	0.38	11.1	343.1	649	
Yearly Total	787.7				63,924			58,665			1,814			2,402.0		
															Monthly Avg Limit	
															Jan- March 10 mg/L	
															April-May 11 mg/L	
															June-Sept 4.4 mg/L	
															Oct- Dec 18 mg/L	
															6 mo. Avg # 11.33 June-Oct	
															July Avg #'s	
															WEEK 1 756	
															WEEK 2 728	
															WEEK 3 1082	
															WEEK 4 465	
															Effluent Gallons to Fox Energy (July)	
															Million Gallons % to Fox Energy	
															93.94 36%	



RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: JULY

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	0.01	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	0.01	0.01
6	0.00	0.61	1.34	1.55	1.27
7	1.15	0.09	0.64	0.96	0.83
8	Plugged	0.00	0.00	0.00	0.00
9	0.01	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	0.15	0.19	0.17	0.15	0.30
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	0.11	0.10	0.10	0.11	0.07
25	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00
27	0.61	0.56	0.57	0.61	0.72
28	0.02	0.02	0.02	0.03	0.05
29	0.08	0.05	0.04	0.04	0.05
30	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00
TOTAL:	2.13	1.63	2.88	3.46	3.30