

INFLUENT STRENGTH (Heart of the Valley Metropolitan Sewerage Facility)

September 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	260.4	8.4	169	11,585	359,123	227	15,206	471,381	3.97	262	8,128	30.6	1,937	60,050	613	39,244	1,216,557
Sep	192.1	6.4	219	11,634	349,029	256	13,525	405,741	4.82	254	7,613	37.4	1,983	59,503	634	33,372	1,001,147
Oct																	
Nov																	
Dec																	
Yearly Average	202.1	6.6	191	10,068	308,547	256	13,462	408,640	4.74	247	7,510	37.0	1,874	57,681	636	32,958	1,007,054
Yearly Total	1,819.2				2,776,924			3,677,761			67,593			519,125			9,063,490

*Includes Hauled Waste

[Plant Design Capacity] →

(Hauled Waste Gallons)= 263,770

[Max Design Capacity] →

September % of Max Capacity→

8.5	13,565	12,209	339	1,600
11.9	16,278	14,651	407	1,920
54%	71%	92%	62%	103%

September Max Daily Flow (MG) 8.61

EFFLUENT QUALITY

													Monthly Avg Limit							
{PERMIT LIMITS (WDNR) →			Monthly (Avg)			801#			Monthly Avg		30 mg/L		Monthly Avg		31.5#		Jan- March		10 mg/L	
			Weekly (Avg)			1345#			Weekly Avg		45 mg/L		6 mo Avg		10.5#		April-May		11 mg/L	
			Daily Max (mg/L)			30			WLA June-Oct				Daily Max mg/L		1.0		June-Sept		4.4 mg/L	
																	Oct- Dec		18 mg/L	
	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE					
MONTH	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	158.2	5.1	13.6	581	18,018	12.0	490	15,188	0.31	12.6	392	0.42	15.3	476	561					
Sep	114.8	3.8	15.9	492	14,770	11.2	343	10,305	0.40	12.3	369	0.53	15.9	492	654					
Oct																				
Nov																				
Dec																				
Yearly Average	117.9	3.9	10.6	352	10,746	9.4	306.6	9,351	0.30	9.4	286	0.40	12.1	374.4	639					
Yearly Total	1,060.7				96,712			84,158			2,575			3,369.5						

Effluent Gallons to Fox Energy
(September)

Million Gallons

% to Fox Energy

77.38

40%

September

WEEK 1

WEEK 2

WEEK 3

WEEK 4

Avg #'s

546

453

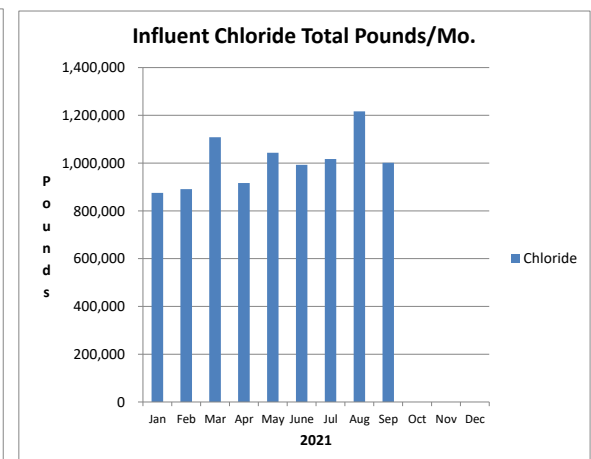
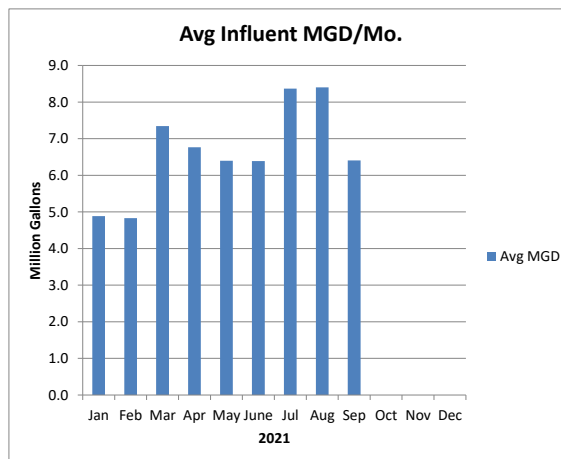
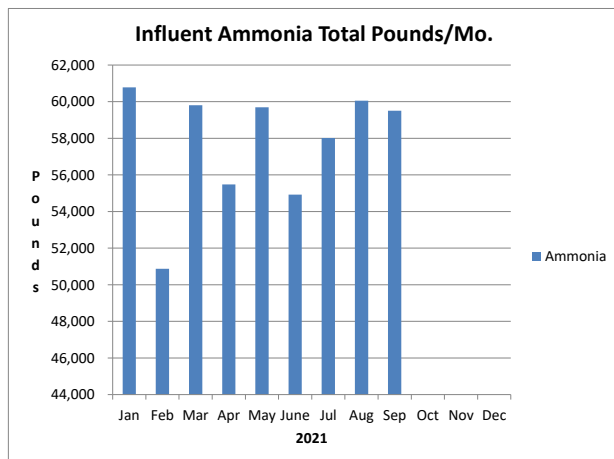
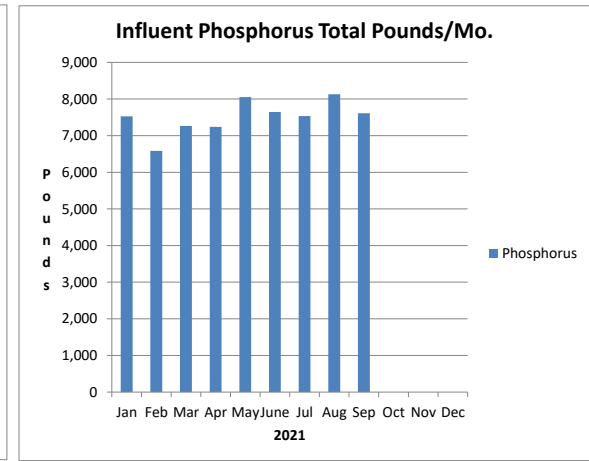
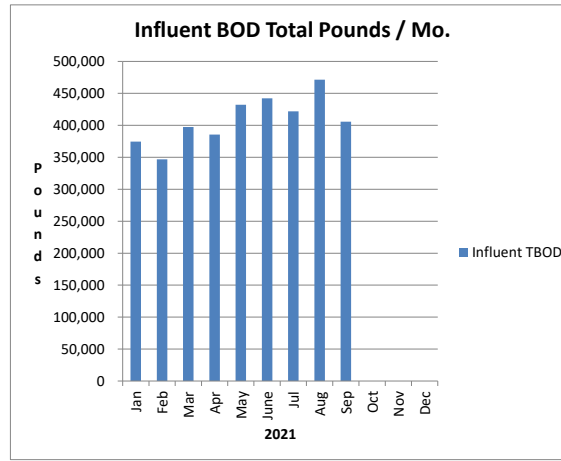
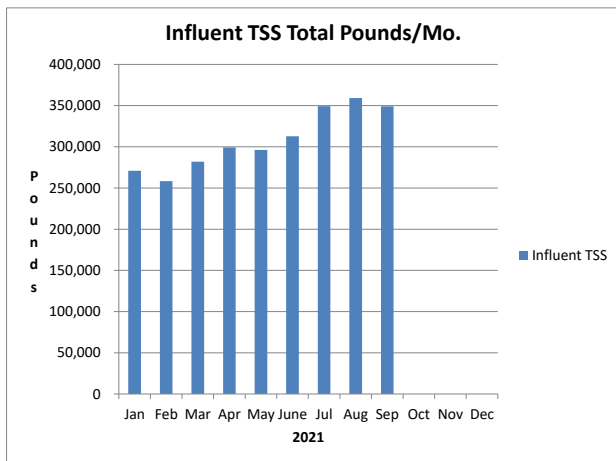
352

597

6 mo. Avg #

11.92

June-Oct



RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: SEPTEMBER

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	0.00	0.00	0.00	0.00	0.00
3	0.08	0.05	0.05	0.04	0.04
4	0.02	0.01	0.02	0.01	0.03
5	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00
7	0.30	0.20	0.20	0.19	0.23
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	0.01	0.01	0.00	0.00	0.01
13	0.03	0.04	0.04	0.04	0.05
14	0.01	0.01	0.03	0.03	0.02
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	0.43	0.33	0.40	0.42	0.37
21	0.12	0.08	0.06	0.04	0.08
22	0.00	0.00	0.00	0.00	0.00
23	0.01	0.00	0.00	0.00	0.00
24	0.05	0.05	0.06	0.08	0.06
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
30	0.00	0.00	0.00	0.00	0.00
TOTAL:	1.06	0.78	0.86	0.85	0.89