

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

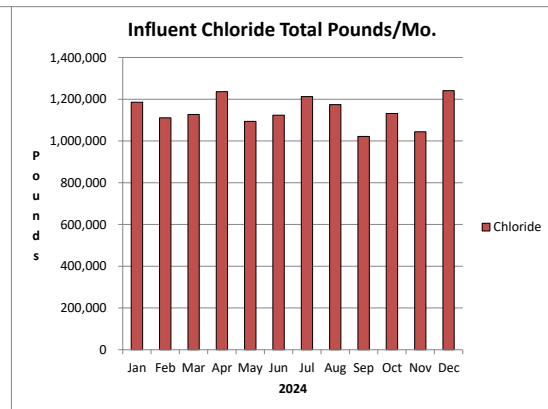
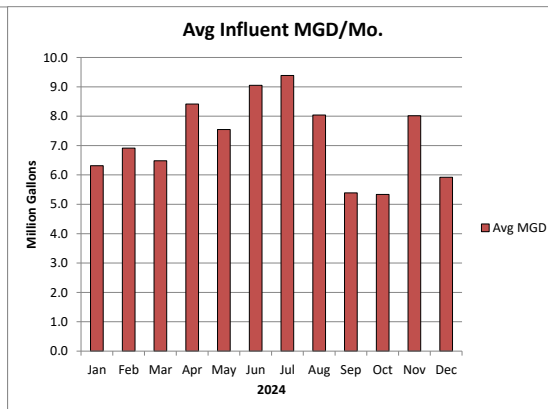
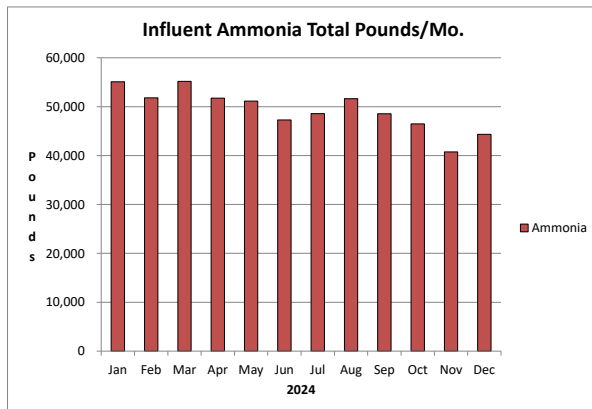
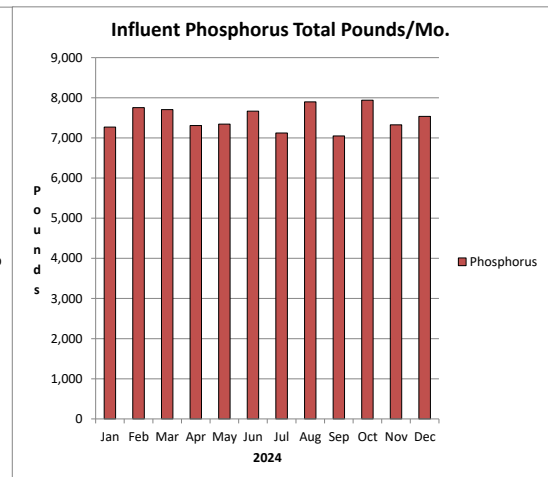
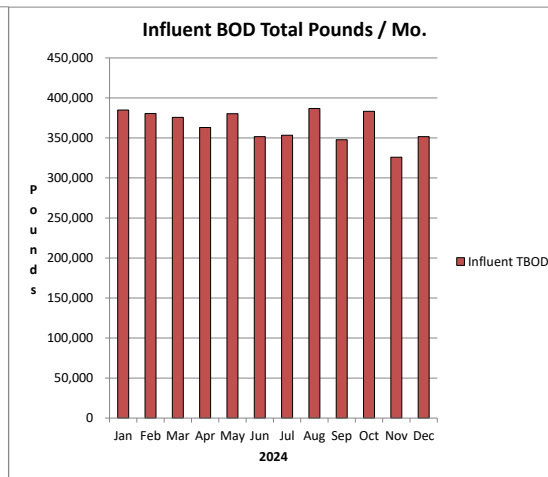
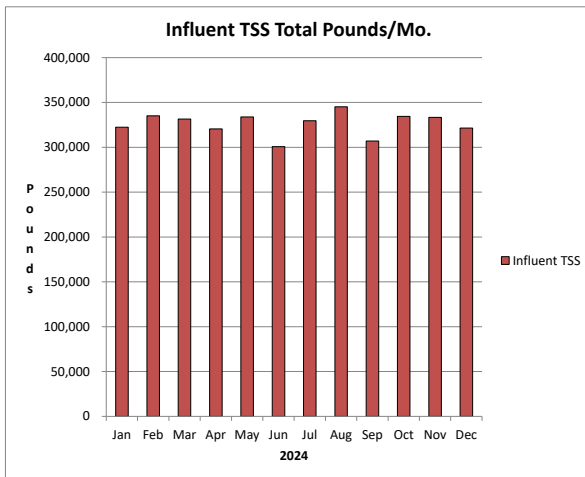
December 2024

	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	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	201.0	6.5	202	10,905	331,561	230	12,440	375,775	4.69	253	7,706	33.5	1811	55,173	683	36,936	1,126,901
Apr	252.4	8.4	164	11,479	320,482	185	12,958	363,130	3.68	258	7,309	26.0	1827	51,734	612	42,964	1,235,989
May	233.9	7.5	175	11,028	333,803	200	12,578	380,309	3.95	249	7,343	27.1	1708	51,132	598	37,655	1,093,982
Jun	271.5	9.1	144	10,869	300,719	169	12,757	351,636	3.59	271	7,666	22.6	1704	47,274	515	38,842	1,123,849
Jul	290.9	9.4	145	11,388	329,615	161	12,588	353,460	3.33	260	7,124	21.0	1642	48,564	522	40,883	1,212,590
Aug	249.3	8.0	172	11,526	345,199	192	12,890	386,875	3.91	263	7,898	25.0	1677	51,636	572	38,381	1,174,503
Sep	161.6	5.4	229	10,296	307,005	260	11,668	347,786	5.32	239	7,050	36.2	1628	48,543	766	34,418	1,022,016
Oct	165.4	5.3	244	10,868	334,444	281	12,524	383,223	5.84	260	7,939	33.8	1506	46,468	827	36,803	1,132,038
Nov	240.4	8.0	171	11,453	333,468	169	11,303	325,952	3.74	250	7,325	20.4	1365	40,735	532	35,539	1,044,280
Dec	183.6	5.9	214	10,590	321,511	234	11,558	351,684	5.03	248	7,537	29.6	1461	44,353	819	40,427	1,241,188
Average	220.5	7.2	189	11,054	326,290	213	12,432	365,438	4.38	256	7,493	28.5	1,665	49,375	654	38,352	1,141,976
Yearly Total	2,646.2				3,915,480			4,385,250			89,921			592,500			13,703,716
*Includes Hauled Waste [Plant Design Capacity] =																	
		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons) [Max Design Capacity] =	226,820																
		11.9		16,278			14,651			407			1,920				
December % of Capacity		50%		65%			79%			61%			76%				

December Max Daily Flow : 8.86

EFFLUENT QUALITY

{PERMIT LIMITS (WDNR) } →			Monthly (Avg)		801#	Monthly Avg		30 mg/L	Monthly Avg		31.5#	Jan- March April-May June-Sept Oct- Dec Monthly Avg Limit 10 mg/L 11 mg/L 4.4 mg/L 18 mg/L			
			Weekly (Avg)		1345#	Weekly Avg		45 mg/L	6 mo Avg		10.5#				
			Daily Max (mg/L)		30	WLA May-Oct			Daily Max mg/L		1.0				
	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	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	111.9	3.6	7.2	217	6,567	5.9	177	5,383	0.28	8.5	255	0.24	7.2	189	700
Apr	189.5	6.3	6.9	365	11,440	5.4	285	8,512	0.25	13.1	384	0.20	10.5	294	583
May	131.7	4.2	9.0	319	10,633	7.6	268	8,763	0.46	16.2	487	0.41	14.4	486	586
Jun	177.3	5.9	6.7	330	9,565	5.6	278	8,088	0.21	10.5	307	0.27	13.4	309	498
Jul	189.4	6.1	5.0	257	7,682	5.2	266	8,278	0.16	8.2	249	0.21	10.9	380	522
Aug	146.6	4.7	6.3	249	7,560	4.2	166	4,991	0.16	6.3	198	0.17	6.8	204	557
Sep	67.9	2.3	11.3	214	6,260	6.7	127	3,714	0.22	4.1	120	0.47	8.8	380	775
Oct	106.2	3.4	7.8	223	6,398	6.1	175	4,994	0.13	3.8	109	0.68	19.3	645	793
Nov	153.2	5.1	3.0	129	3,870	4.6	195	5,968	0.15	6.4	184	0.23	9.9	309	538
Dec	96.3	3.1	5.4	140	4,287	6.0	156	4,795	0.17	4.5	138	0.36	9.4	241	821
Average	132.9	4.4	7.3	251	7,595	6.2	216.6	6,551	0.24	8.5	251.9	0.32	10.7	327.1	650
Yearly Total	1,594.8				91,142			78,612			3,023			3,925.2	
Effluent Gallons to Fox Energy (December) Million Gallons 87.22 48%			December	Avg #'s							6 mo. Avg #'s	5.26	Nov-April		
			WEEK 1	115											
			WEEK 2	157											
			WEEK 3	121											
			WEEK 4	145											



RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: DECEMBER

YEAR: 2024

<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	0.00	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	0.03	0.03	0.05	0.04	0.04
15	0.02	0.02	0.03	0.02	0.04
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	0.01	0.01	0.01	0.01	0.01
24	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.03
26	0.18	0.10	0.17	0.15	0.17
27	0.20	0.19	0.26	0.22	0.27
28	0.09	0.10	0.11	0.10	0.12
29	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00
TOTAL:	0.53	0.45	0.63	0.54	0.68