

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

**November 2022**

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	144.3	4.7	264	10,292	319,047	351	13,608	421,860	6.54	253	7,858	50.2	1947	60,352	722	28,567	857,010
Feb	129.3	4.6	267	10,291	288,149	375	14,417	403,684	6.64	256	7,158	46.7	1765	49,409	859	33,186	929,200
Mar	236.2	7.6	203	11,759	352,759	259	14,736	456,826	4.42	250	7,758	32.5	1795	55,652	716	41,706	1,292,877
Apr	272.3	9.1	147	10,865	325,941	184	13,580	407,390	3.28	240	7,200	24.5	1775	55,039	511	33,214	1,029,625
May	222.5	7.2	178	10,477	324,787	272	16,081	498,519	4.82	277	8,587	32.2	1864	57,788	628	37,491	1,162,212
Jun	222.1	7.4	184	11,216	336,483	247	14,893	446,787	4.72	282	8,475	30.6	1853	55,589	655	39,747	1,192,416
Jul	188.0	6.1	203	10,237	317,346	267	13,520	419,128	4.82	242	7,489	34.4	1729	53,589	672	33,458	1,037,185
Aug	204.2	6.6	204	10,974	340,186	275	14,567	451,585	5.13	265	8,205	31.9	1692	52,461	651	34,287	1,062,895
Sep	191.7	6.4	203	10,392	311,773	277	14,022	420,673	4.85	242	7,253	35.0	1735	52,064	649	32,585	977,539
Oct	157.6	5.1	194	8,201	254,223	301	12,782	396,237	5.89	240	7,432	42.3	1771	54,901	765	31,848	987,285
Nov	185.3	6.2	171	8,569	257,062	259	13,178	395,343	4.87	229	6,878	35.9	1771	53,141	686	33,076	992,268
Dec																	
<b>Average</b>	195.8	6.4	202	10,297	311,614	279	14,126	428,912	5.09	252	7,663	36.0	1,791	54,544	683	34,469	1,047,319
<b>Yearly Total</b>	2,153.4				3,427,755			4,718,031			84,293			599,984			11,520,510
*Includes Hauled Waste [Plant Design Capacity] =			8.5	13,565			12,209			339			1,600				
(Hauled Waste Gallons)= [Max Design Capacity] =			11.9	16,278			14,651			407			1,920				
December % of Capacity			0%	0%			0%			0%			0%				

December Max Daily Flow 8.83

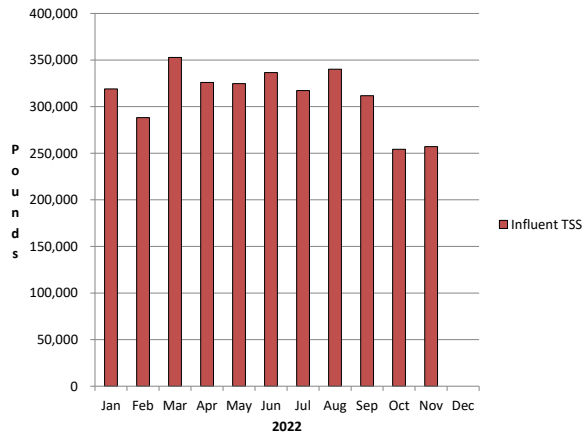
**EFFLUENT QUALITY**

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	61.6	2.0	12.8	212	6,561	10.5	173	5,364	0.34	5.6	173	0.46	8.0	249	746	
Feb	63.2	2.3	13.3	249	6,976	11.3	211	5,918	0.33	6.3	177	0.49	9.1	254	829	
Mar	151.3	4.9	21.0	1,122	33,655	15.1	746	23,115	0.37	17.9	554	0.49	20.4	571	699	
Apr	189.3	6.3	19.2	629	18,878	10.9	586	17,593	0.21	11.8	353	0.83	42.5	1,190	520	
May	158.7	5.1	9.6	484	14,532	11.9	513	15,912	0.22	9.8	304	1.39	62.6	1,752	644	
Jun	122.7	4.1	12.4	255	7,389	8.8	290	8,694	0.18	5.8	174	0.86	29.1	874	633	
Jul	82.8	2.7	21.2	409	12,668	12.8	284	8,819	0.33	7.3	226	0.36	7.7	240	663	
Aug	100.4	3.2	16.4	441	13,675	11.4	301	9,335	0.36	9.2	284	0.41	9.7	300	647	
Sep	117.5	3.9	15.6	715	21,455	11.0	356	10,694	0.40	13.5	406	0.39	12.4	371	653	
Oct	89.1	2.9	23.2	573	17,769	12.2	287	8,904	0.54	13.3	399	1.01	23.3	698	746	
Nov	106.4	3.5	28.4	551	16,531	10.0	306	9,169	0.42	12.3	369	0.38	11.8	353	664	
Dec																
<b>Average</b>	113.0	3.7	17.5	513	15,463	11.4	368.6	11,229	0.34	10.2	310.8	0.64	21.5	622.8	677	
<b>Yearly Total</b>	1,242.9				170,090			123,516			3,419			6,851.3		
Effluent Gallons to Fox Energy (December)																
76.03			48%													
			December	Avg #'s					6 mo. Avg #'s	10.42	Nov-April					
			WEEK 1	304												
			WEEK 2	295												
			WEEK 3	316												
			WEEK 4	330												

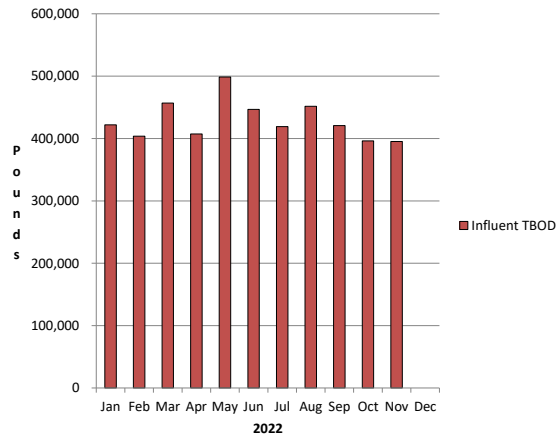
Monthly Avg Limit	
Jan- March	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct- Dec	18 mg/L

{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 May-Oct		Daily Max mg/L	1.0

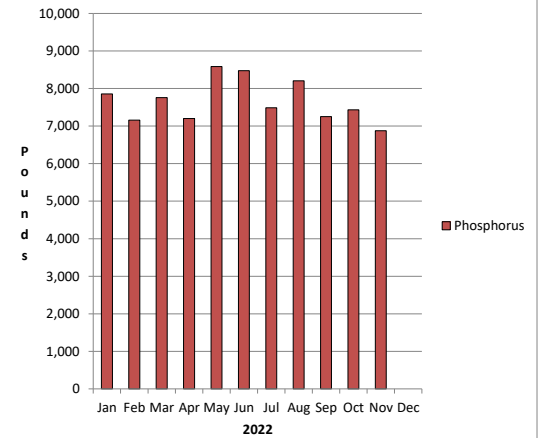
**Influent TSS Total Pounds/Mo.**



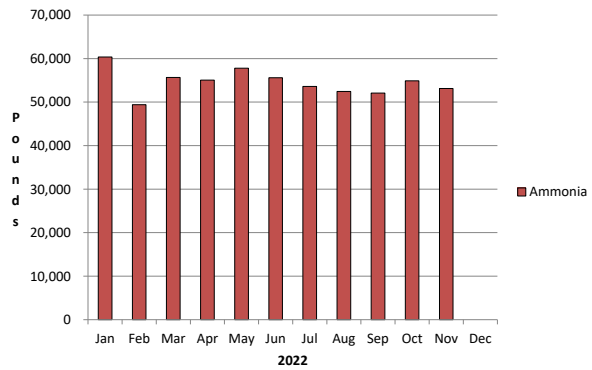
**Influent BOD Total Pounds / Mo.**



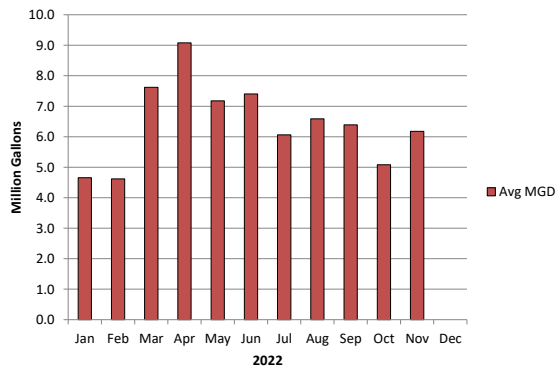
**Influent Phosphorus Total Pounds/Mo.**



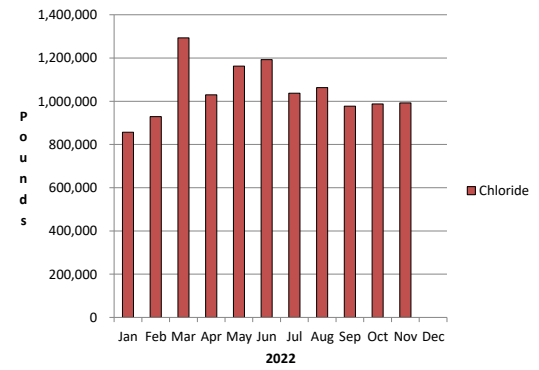
**Influent Ammonia Total Pounds/Mo.**



**Avg Influent MGD/Mo.**



**Influent Chloride Total Pounds/Mo.**



# RAIN GAUGES

## DAILY RAINFALL TOTALS

MONTH: NOVEMBER

YEAR: 2022

Use Plant for  
Kaukauna

<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
2	0.00		0.00		0.00
3	0.00		0.00		0.00
4	1.15		1.19		0.89
5	0.35		0.36		0.89
6	0.00		0.00		0.00
7	0.00		0.00		0.00
8	0.00		0.00		0.00
9	0.00		0.00		0.00
10	0.33		0.37		0.34
11	0.02		0.01		0.11
12	0.00		0.00		0.00
13	0.00		0.00		0.00
14	0.00		0.00		0.00
15	0.00		0.03		0.00
16	0.12	Freeze	0.02		0.01
17	0.00		0.00		0.00
18	0.00		0.00		0.00
19	0.00		0.00		0.00
20	0.00		0.00		0.00
21	0.00		0.00		0.04
22	0.00		0.01		0.00
23	0.01		0.00		0.00
24	0.00		0.00		0.00
25	0.00		0.00		0.00
26	0.00		0.00		0.00
27	0.00		0.00		0.00
28	0.00		0.00		0.00
29	0.00		0.02		0.02
30	0.00		0.00		0.00
<b>TOTAL:</b>	1.98		2.01		2.30