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

October 2026

	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	195.1	6.3	191	10,044	301,141	207	10,854	326,560	5.57	293	9,104	29.1	1527	46,377	827	43,402	1,336,673
Feb	169.9	6.1	203	10,280	277,929	200	10,102	275,464	5.90	298	8,139	29.2	1476	40,090	890	45,038	1,255,522
Mar	285.6	9.2	150	11,528	341,852	134	10,328	298,925	3.97	305	8,212	20.0	1538	41,973	740	56,861	1,750,194
Apr	375.7	12.5	139	14,551	389,393	118	12,325	328,049	3.20	334	8,829	14.1	1474	39,548	554	57,840	1,595,250
May	217.1	7.0	202	11,807	363,536	186	10,839	335,041	4.66	272	8,169	24.5	1431	44,402	785	45,819	1,412,126
Jun	196.5	6.5	208	11,345	338,465	206	11,247	336,039	4.84	265	7,846	25.7	1403	41,911	761	41,550	1,240,121
Jul	223.5	7.2	191	11,489	341,378	191	11,508	331,535	4.67	281	8,414	23.9	1434	43,076	715	42,965	1,296,370
Aug	191.5	6.2	225	11,581	356,317	211	10,871	334,318	5.56	287	8,664	27.5	1415	43,699	762	39,236	1,211,425
Sep	267.5	8.9	186	13,814	387,740	173	12,864	360,112	4.67	347	9,421	21.2	1577	43,681	731	54,350	1,598,514
Oct	205.3	6.6	209	11,532	352,824	215	11,871	363,069	5.16	285	9,012	27.6	1524	46,938	729	40,280	1,222,775
Nov																	
Dec																	
Average	232.8	7.7	190	11,797	345,057	184	11,281	328,911	4.82	297	8,581	24.3	1,480	43,170	749	46,734	1,391,897
Yearly Total	2,327.6				3,450,575			3,289,112			85,810			431,696			13,918,970
*Includes Hauled Waste																	
[Plant Design Capacity] =		*8.5*		*13,565*			*12,209*			*339*			*1,600*				
(Hauled Waste Gallons): **164,490**																	
[Max Design Capacity] =		11.9		16,278			14,651			407			1,920				
October % of Capacity =		56%		71%			81%			70%			79%				

October Max Daily Flow = 10.00

October Min Daily Flow = 5.783

EFFLUENT QUALITY

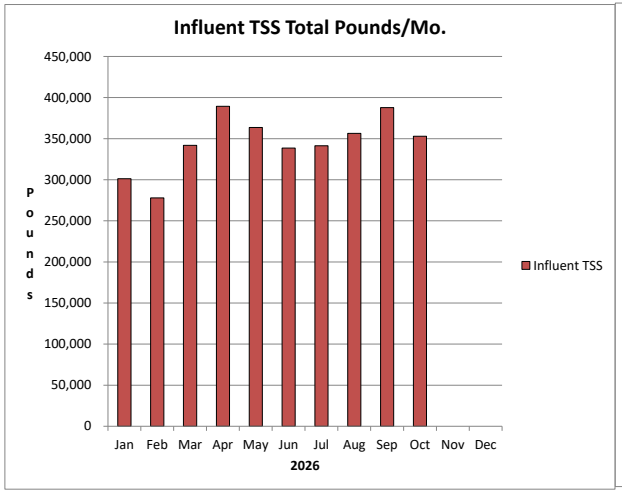
												Monthly Avg Limit
											Jan- March	10 mg/L
{PERMIT LIMITS (WDNR) →		Monthly (Avg)	700#	Monthly Avg	30 mg/L	Monthly Avg	31.5#				April-May	11 mg/L
		Weekly (Avg)	1100#	Weekly Avg	45 mg/L	6 mo Avg	10.5#				June-Sept	4.4 mg/L
		Daily Max (mg/L)	30			Daily Max mg/L	1.0				Oct- Dec	18 mg/L

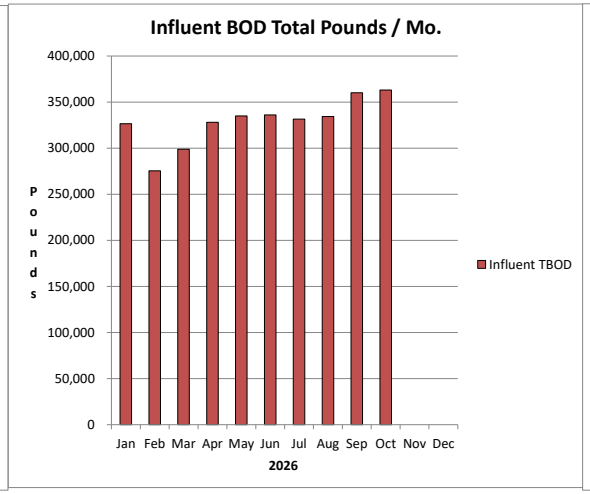
	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE
MONTH	Million Gallons	Avg MGD	Avg mg/L	Avg #/day	Total # /Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L
Jan	114.0	3.7	3.6	111	3,432	4.4	135	4,136	0.30	9.2	273	0.48	14.8	429	819
Feb	95.0	3.4	5.7	161	4,143	3.3	94	2,542	0.23	6.6	171	0.33	9.4	232	890
Mar	195.4	6.3	3.8	198	5,587	4.3	227	7,093	0.14	7.3	219	0.19	10.0	224	733
Apr	342.2	11.4	6.2	586	20,203	5.0	475	15,629	0.13	12.4	380	0.27	25.2	749	567
May	148.7	4.8	4.6	182	5,632	4.8	193	5,936	0.19	7.5	233	0.32	12.7	409	788
Jun	102.3	3.4	4.9	140	4,284	5.8	165	4,871	0.22	6.3	190	0.31	8.7	278	746
Jul	111.1	3.6	5.2	157	4,468	5.9	175	5,013	0.22	6.6	195	0.19	5.8	163	703
Aug	87.9	2.8	5.8	138	4,134	5.1	122	3,694	0.40	9.5	283	0.35	8.2	238	700
Sep	113.9	5.7	8.3	395	11,256	6.3	301	9,266	0.25	11.8	347	0.28	13.3	455	732
Oct	113.9	3.7	5.2	158	4,819	6.5	200	5,961	0.31	9.5	308	0.19	5.8	181	746
Nov															
Dec															
Average	142.4	4.9	5.3	223	6,796	5.2	208.7	6,414	0.24	8.7	259.9	0.29	11.4	335.8	742
Yearly Total	1,424.3				67,956			64,142			2,599			3,358.4	
									6 mo. Avg #'s	8.50	May-Oct				

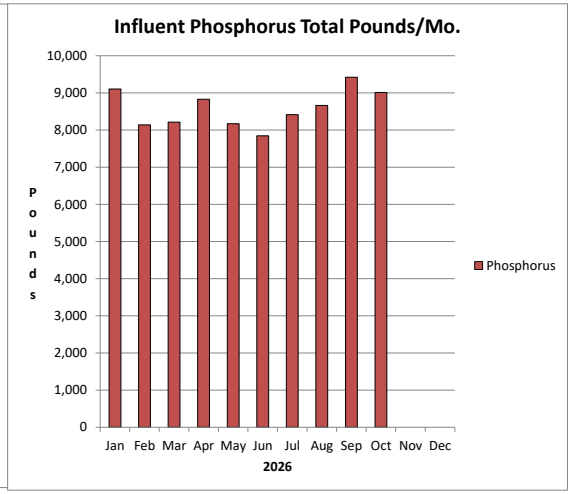
Effluent Gallons to Fox Energy (October)

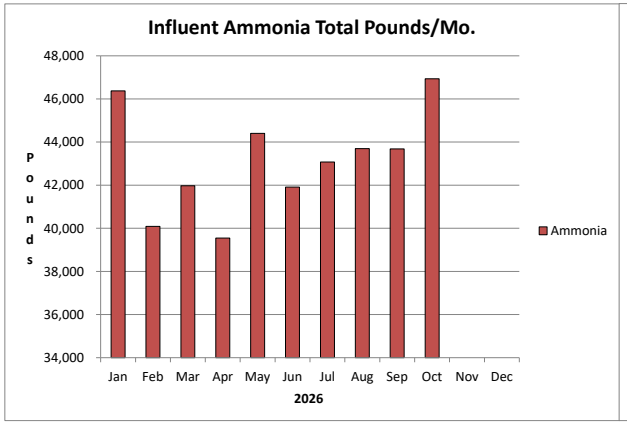
Million Gallons	
91.47	45%

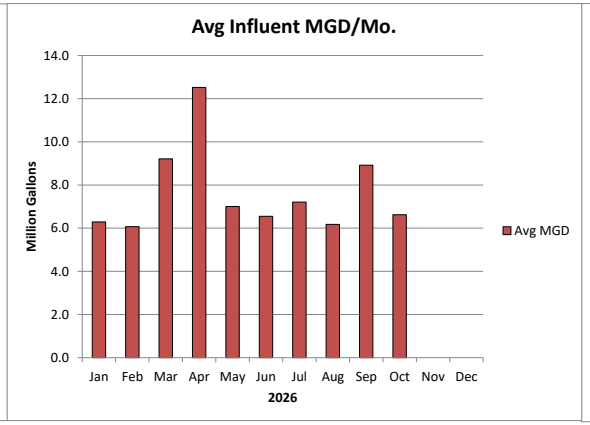
October	Avg #'s
WEEK 1	112
WEEK 2	159
WEEK 3	204
WEEK 4	117

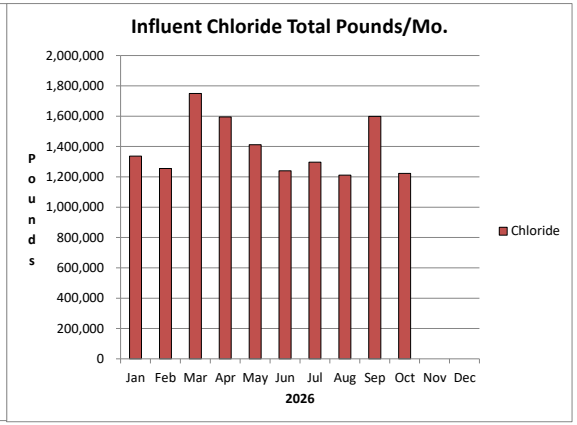

Influent TSS Total Pounds/Mo.
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Pounds
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2026
Influent TSS


Influent BOD Total Pounds / Mo.
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Pounds
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2026
Influent TBOD


Influent Phosphorus Total Pounds/Mo.
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Pounds
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2026
Phosphorus


Influent Ammonia Total Pounds/Mo.
48,000
46,000
44,000
42,000
40,000
38,000
36,000
34,000
Pounds
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2026
Ammonia


Avg Influent MGD/Mo.
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Million Gallons
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2026
Avg MGD


Influent Chloride Total Pounds/Mo.
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Pounds
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2026
Chloride

RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: OCTOBER **YEAR:** 2026

DATE	PLANT INCHES	KAUKAUNA INCHES	LITTLE CHUTE INCHES	KIMBERLY INCHES	DARBOY INCHES
1	0.14	0.13	0.14	0.15	0.16
2	0.00	0.00	0.00	0.00	0.00
3	0.03	0.03	0.01	0.01	0.02
4	0.01	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	0.01	0.01	0.00	0.01	0.04
14	0.01	0.01	0.02	0.01	0.00
15	0.93	0.94	0.88	0.64	0.99
16	0.10	0.07	0.09	0.09	0.08
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	0.00	0.00	0.00	0.00	0.00
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	0.03	0.00	0.00	0.00
29	0.07	0.05	0.09	0.11	0.13
30	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00
TOTAL:	1.30	1.27	1.23	1.02	1.42