

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

**September 2025**

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	174.7	5.6	222	10,455	322,127	248	11,674	360,678	5.29	249	7,553	30.6	1440	44,474	843	39,624	1,212,802
Feb	147.6	5.3	230	10,098	279,089	268	11,778	324,733	5.66	249	6,835	30.5	1340	36,699	950	41,761	1,148,991
Mar	277.2	8.9	152	11,347	332,596	170	12,664	365,456	3.53	263	7,536	18.9	1410	39,658	631	47,047	1,380,026
Apr	263.3	8.8	155	11,380	333,168	146	10,698	308,794	3.38	247	7,233	19.3	1413	42,849	578	42,344	1,292,043
May	244.2	7.9	162	10,655	324,351	169	11,072	335,218	4.14	272	7,456	21.6	1417	43,611	672	44,167	1,355,764
Jun	197.7	6.6	214	11,763	352,546	205	11,245	336,483	4.86	267	7,979	23.4	1286	38,299	775	42,622	1,292,333
Jul	198.3	6.4	183	9,770	301,080	201	10,734	330,695	4.88	260	8,043	23.1	1232	37,827	726	38,762	1,179,153
Aug	189.3	6.1	202	10,291	317,398	214	10,907	336,823	5.38	274	8,317	26.8	1365	42,134	835	42,506	1,268,933
Sep	164.5	5.5	207	9,488	284,725	229	10,457	313,242	6.04	276	8,319	31.0	1419	42,387	857	39,174	1,165,294
Oct																	
Nov																	
Dec																	
<b>Average</b>	206.3	6.8	192	10,583	316,342	205	11,248	334,680	4.80	262	7,697	25.0	1,369	40,882	763	42,001	1,255,038
<b>Yearly Total</b>	1,856.9				2,847,079			3,012,121			69,271			367,938			11,295,340
*Includes Hauled Waste																	
[Plant Design Capacity] =		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons)	0																
[Max Design Capacity] =		11.9		16,278			14,651			407			1,920				
September % of Capacity		46%		58%			71%			68%			74%				

September Max Daily Flow 6.35

**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	97.5	3.1	5.3	140	4,282	7.8	205	6,203	0.31	8.3	252	0.35	9.3	340	862
Feb	77.9	2.8	5.4	126	3,597	8.3	193	5,254	0.25	5.9	161	0.39	9.0	273	950
Mar	231.8	7.5	5.4	337	10,762	6.4	398	11,445	0.16	10.0	278	0.87	54.1	1,049	645
Apr	263.3	8.8	3.8	280	8,807	4.9	359	11,032	0.20	14.3	454	0.16	11.4	378	610
May	236.9	7.6	4.9	309	9,288	5.2	332	9,758	0.20	12.7	378	0.21	13.5	381	700
Jun	93.2	3.1	6.4	167	4,779	7.1	185	5,551	0.25	6.4	190	0.11	2.8	79	769
Jul	84.7	2.7	5.0	114	3,677	6.3	143	4,390	0.27	6.2	190	0.18	4.1	131	761
Aug	77.4	2.5	7.9	164	5,303	7.6	157	4,993	0.37	7.7	235	0.23	4.7	132	816
Sep	66.3	2.2	8.1	149	4,904	6.6	122	3,646	0.36	6.7	213	0.28	5.1	158	842
Oct															
Nov															
Dec															
<b>Average</b>	136.5	4.5	5.8	198	6,155	6.7	232.6	6,919	0.26	8.7	261.2	0.31	12.7	324.5	773
<b>Yearly Total</b>	1,228.9				55,399			62,270			2,351			2,920.3	

{PERMIT LIMITS (WDNR) →	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#	Monthly Avg Limit Jan- March 10 mg/L April-May 11 mg/L June-Sept 4.4 mg/L Oct- Dec 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	

Effluent Gallons to Fox Energy (September)	66.26	40%
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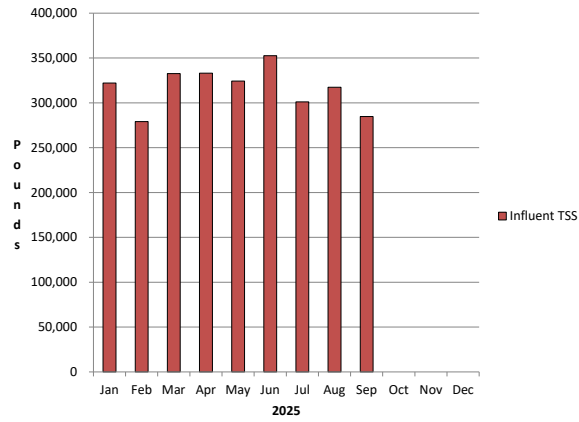
  

September	Avg #'s
WEEK 1	196
WEEK 2	92
WEEK 3	95
WEEK 4	156

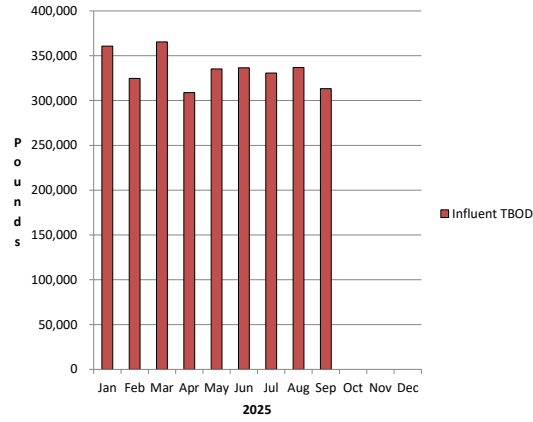
  

6 mo. Avg #'s	6.58	May-Oct
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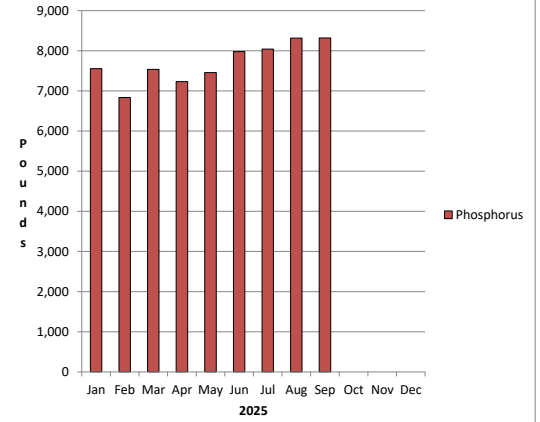
**Influent TSS Total Pounds/Mo.**



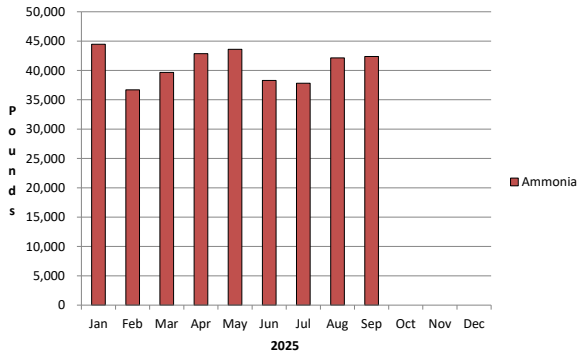
**Influent BOD Total Pounds / Mo.**



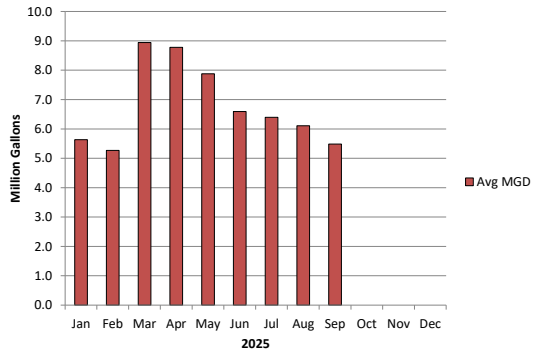
**Influent Phosphorus Total Pounds/Mo.**



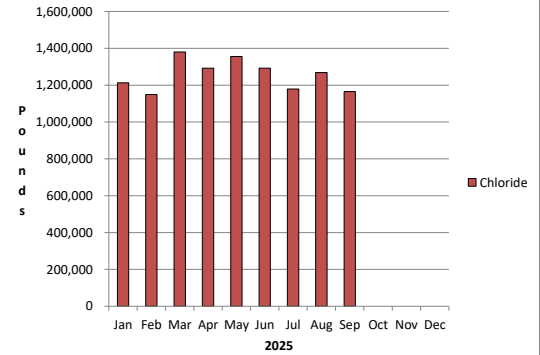
**Influent Ammonia Total Pounds/Mo.**



**Avg Influent MGD/Mo.**



**Influent Chloride Total Pounds/Mo.**



# RAIN GAUGES

## DAILY RAINFALL TOTALS

MONTH: SEPTEMBER

YEAR: 2025

<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	0.42	0.33	0.37	0.43	0.31
4	0.06	0.06	0.04	0.05	0.05
5	0.00	0.00	0.02	0.00	0.02
6	0.01	0.01	0.01	0.01	0.01
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	0.08	0.14	0.00	0.09	0.04
13	0.32	0.29	0.37	0.27	0.29
14	0.01	0.00	0.00	0.00	0.00
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	0.04	0.00	0.00	0.00	0.00
20	0.22	0.29	0.49	0.70	0.81
21	0.17	0.15	0.03	0.03	0.04
22	0.50	0.52	0.39	0.51	0.36
23	0.01	0.01	0.01	0.00	0.01
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	0.00	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
<b>TOTAL:</b>	1.84	1.80	1.73	2.09	1.94