

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

December 2025

	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	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	169.1	5.5	228	10,383	320,109	234	10,660	329,351	6.09	277	8,496	30.6	1393	42,983	844	38,403	1,183,129
Nov	151.1	5.0	230	9,648	289,654	242	10,145	304,432	6.61	278	8,213	34.4	1443	43,273	838	35,214	1,061,353
Dec	166.6	5.4	223	9,977	306,931	235	10,554	325,485	6.79	304	9,031	32.4	1451	43,135	879	39,409	1,310,490
Average	195.3	6.4	201	10,438	313,648	213	11,049	330,949	5.22	268	7,918	26.9	1,384	41,444	786	40,919	1,237,526
Yearly Total	2,343.7				3,763,773			3,971,389			95,011			497,329			14,850,312
*Includes Hauled Waste [Plant Design Capacity] =																	
		8.5		13,565			12,209			339			1,600				
[Hauled Waste Gallons]: 240,260																	
[Max Design Capacity] =		11.9		16,278			14,651			407			1,920				
December % of Capacity		45%		61%			72%			75%			76%				

EFFLUENT QUALITY

(PERMIT LIMITS (WDNR) →			Monthly (Avg)		801#	Monthly Avg		30 mg/L	Monthly Avg		31.5#	Jan- March		10 mg/L											
					1345#			Weekly Avg			45 mg/L			6 mo Avg		10.5#	April-May		11 mg/L						
					30						WLA May-Oct					Daily Max mg/L			1.0	June-Sept		4.4 mg/L			
					Daily Max (mg/L)														Oct- Dec			18 mg/L			
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		
MONTH																									
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	92.6	3.0	10.3	257	7,435	5.5	138	4,450	0.33	8.2	267	0.19	4.8	159	854										
Nov	68.0	2.3	10.7	203	6,048	5.1	97	2,899	0.28	5.2	163	0.29	5.6	198	834										
Dec	81.2	2.6	10.2	223	6,478	4.8	104	3,224	0.30	6.6	206	0.21	4.6	120	897										
Average	122.6	4.0	7.0	206	6,280	6.3	202.7	6,070	0.27	8.2	248.9	0.29	10.8	283.1	795										
Yearly Total	1,470.6				75,360			72,843			2,987			3,397.6											
Effluent Gallons to Fox Energy (December)			December	Avg #'s				6 mo. Avg #'s			6.56	Nov- April													
			WEEK 1	247																					
			WEEK 2	231																					
			WEEK 3	266																					
			WEEK 4	132																					
Million Gallons																									
85.45		51%																							

