

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

February 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																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	161.1	5.5	226	10,277	300,608	258	11,726	342,706	5.48	249	7,194	30.6	1,390	40,586	897	40,693	1,180,897
Yearly Total	322.3				601,216			685,411			14,389			81,173			2,361,794

*Includes Hauled Waste																	
[Plant Design Capacity] =	8.5			13,565			12,209			339			1,600				
(Hauled Waste Gallons) 155,280																	
[Max Design Capacity] =	11.9			16,278			14,651			407			1,920				
February % of Capacity =	44%			62%			80%			61%			70%				

February Max Daily Flow = 7.06

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															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Average	87.7	3.0	5.4	133	3,939	8.1	198.9	5,728	0.28	7.1	206.5	0.37	9.2	306.8	906
Yearly Total	175.4				7,879			11,457			413			613.7	

{PERMIT LIMITS (WDNR) →	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#	Monthly Avg Limit	Jan- March	10 mg/L
	Weekly (Avg)	1345#	Weekly Avg	45 mg/L	6 mo Avg	10.5#	April-May	11 mg/L	
	Daily Max (mg/L)	30	WLA May-Oct		Daily Max mg/L	1.0	June-Sept	4.4 mg/L	
							Oct- Dec	18 mg/L	

Effluent Gallons to Fox Energy (February)	77.92	45%
February	Avg #'s	
WEEK 1	114	
WEEK 2	89	
WEEK 3	140	
WEEK 4	171	

6 mo. Avg #'s	6.12	Nov-April
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