

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

January 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																	
Mar																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	174.7	5.6	222	10,455	322,127	248	11,674	360,678	5.29	249	7,553	30.6	1,440	44,474	843	39,624	1,212,802
Yearly Total	174.7				322,127			360,678			7,553			44,474			1,212,802
*Includes Hauled Waste																	
[Plant Design Capacity] =		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons) 170,860																	
[Max Design Capacity] =		11.9		16,278			14,651			407			1,920				
January % of Capacity =		47%		64%			80%			61%			75%				

January Max Daily Flow = 6.74

EFFLUENT QUALITY

{PERMIT LIMITS (WDNR) →			Monthly (Avg)		801#	Monthly Avg		30 mg/L	Monthly Avg		31.5#	Jan- March		Monthly Avg Limit		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
	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	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																
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep																
Oct																
Nov																
Dec																
Average	97.5	3.1	5.3	140	4,282	7.8	204.9	6,203	0.31	8.3	251.5	0.35	9.3	340.3	862	
Yearly Total	97.5				4,282			6,203			252			340.3		
			January	Avg #'s							6 mo. Avg #'s	6.22	Nov-April			
Effluent Gallons to Fox Energy (January)			WEEK 1	160												
			WEEK 2	98												
Million Gallons			WEEK 3	127												
77.23	44%		WEEK 4	167												

