

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

January 2023

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	200.1	6.5	187	10,014	310,440	249	13,373	414,561	4.70	250	7,740	31.4	1653	51,242	625	32,183	997,678
Feb																	
Mar																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	200.1	6.5	187	10,014	310,440	249	13,373	414,561	4.70	250	7,740	31.4	1,653	51,242	625	32,183	997,678
Yearly Total	200.1				310,440			414,561			7,740			51,242			997,678

*Includes Hauled Waste
 [Plant Design Capacity] = 8.5
 [Hauled Waste Gallons]= 155,230
 [Max Design Capacity] = 11.9
 January % of Capacity = 54%

13,565
 12,209
 339
 1,600
 16,278
 14,651
 407
 1,920
 62%
 91%
 61%
 86%

January Max Daily Flow = 8.09

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	115.9	3.7	8.0	251	7,792	8.0	248	7,703	0.23	7.1	220	0.43	13.7	425	616
Feb															
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Average	115.9	3.7	8.0	251	7,792	8.0	248.5	7,703	0.23	7.1	219.5	0.43	13.7	425.1	616
Yearly Total	115.9				7,792			7,703			220			425.1	

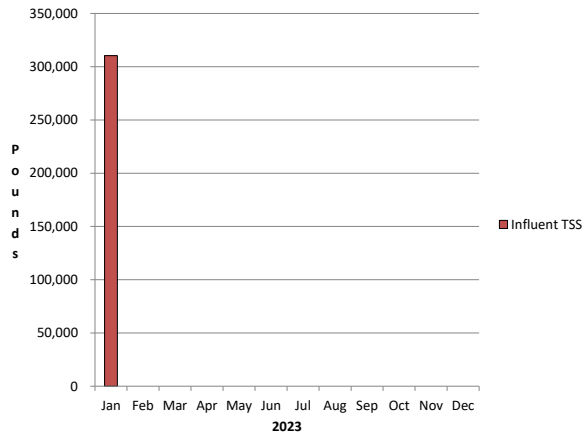
Monthly Avg Limit	
Jan- Marc	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct- Dec	18 mg/L

{PERMIT LIMITS (WDNR) →	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#
	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

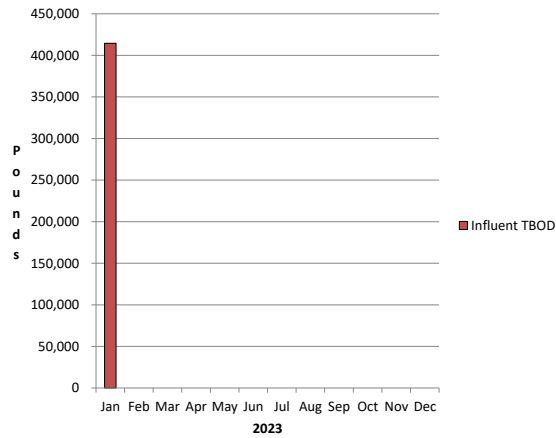
Effluent Gallons to Fox Energy (January)	
84.20	42%

January	Avg #/s	6 mo. Avg #/s	9.23	Nov-April
WEEK 1	336			
WEEK 2	230			
WEEK 3	261			
WEEK 4	203			

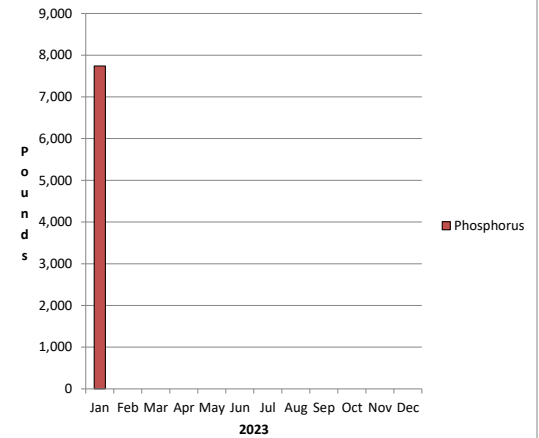
Influent TSS Total Pounds/Mo.



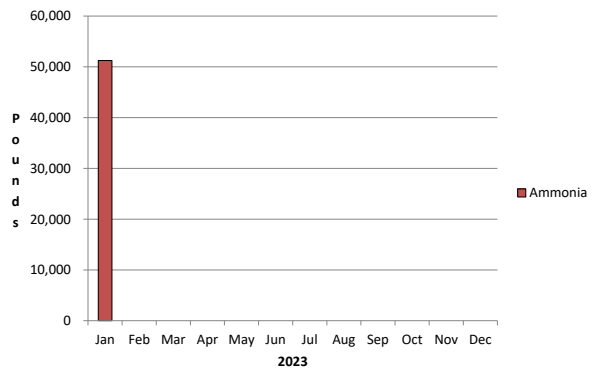
Influent BOD Total Pounds / Mo.



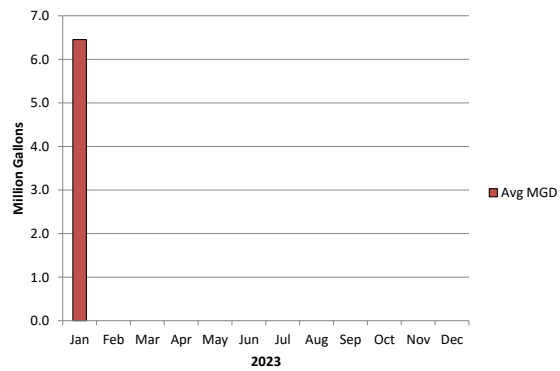
Influent Phosphorus Total Pounds/Mo.



Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.

