

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

April 2022

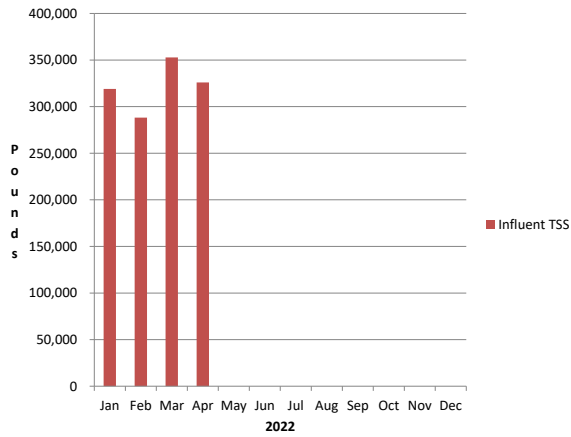
MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE		
	Million * Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month
Jan	144.3	4.7	264	10,292	319,047	351	13,608	421,860	6.54	253	7,858	50.2	1947	60,352	722	28,567	857,010
Feb	129.3	4.6	267	10,291	288,149	375	14,417	403,684	6.64	256	7,158	46.7	1765	49,409	859	33,186	929,200
Mar	236.2	7.6	203	11,759	352,759	259	14,736	456,826	4.42	250	7,758	32.5	1795	55,652	716	41,706	1,292,877
Apr	272.3	9.1	147	10,865	325,941	184	13,580	407,390	3.28	240	7,200	24.5	1775	55,039	511	33,214	1,029,625
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	196	6.5	220	10,802	321,474	292	14,085	422,440	5.22	250	7,493	38.5	1,821	55,113	702	34,168	1,027,178
Yearly Total	782.1				1,285,896			1,689,760			29,974			220,452			4,108,712
*Includes Hauled Waste																	
[Plant Design Capacity]																	
		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons)= 222,160																	
[Max Design Capacity]																	
		11.9		16,278			14,651			407			1,920				
April % of Capacity																	
		76%		67%			93%			59%			92%				

April Max Daily Flow 14.53

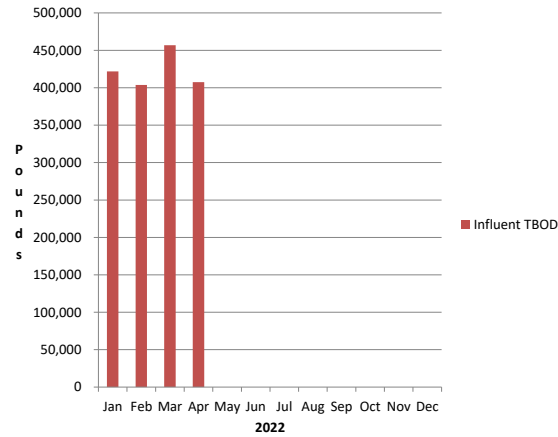
EFFLUENT QUALITY

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	61.6	2.0	12.8	212	6,561	10.5	173	5,364	0.34	5.6	173	0.46	8.0	249	746																																			
Feb	63.2	2.3	13.3	249	6,976	11.3	211	5,918	0.33	6.3	177	0.49	9.1	254	829																																			
Mar	151.3	4.9	21.0	1,122	33,655	15.1	746	23,115	0.37	17.9	554	0.49	20.4	571	699																																			
Apr	189.3	6.3	19.2	629	18,878	10.9	586	17,593	0.21	11.8	353	0.83	42.5	1,190	520																																			
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Average	116.3	3.9	16.6	553	16,518	12.0	429.1	12,997	0.31	10.4	314.5	0.57	20.0	566.0	699																																			
Yearly Total	465.4				66,071			51,990			1,258			2,263.8																																				
<table border="0" style="width:100%"> <tr> <td rowspan="4" style="vertical-align: top;">{PERMIT LIMITS (WDNR) →</td> <td>Monthly (Avg)</td><td>801#</td> <td>Monthly Avg</td><td>30 mg/L</td> <td>Monthly Avg</td><td>31.5#</td> <td>Monthly Avg Limit</td><td>10 mg/L</td> </tr> <tr> <td>Weekly (Avg)</td><td>1345#</td> <td>Weekly Avg</td><td>45 mg/L</td> <td>6 mo Avg</td><td>10.5#</td> <td>April-May</td><td>11 mg/L</td> </tr> <tr> <td>Daily Max (mg/L)</td><td>30</td> <td>WLA May-Oct</td><td></td> <td>Daily Max mg/L</td><td>1.0</td> <td>June-Sept</td><td>4.4 mg/L</td> </tr> <tr> <td></td><td></td><td></td><td></td> <td></td><td></td> <td>Oct-Dec</td><td>18 mg/L</td> </tr> </table>																		{PERMIT LIMITS (WDNR) →	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#	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
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Effluent Gallons to Fox Energy																																																		
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Million Gallons % to Fox Energy																																																		
82.99	35%	April Avg #'s		6 mo. Avg #'s		Nov-April																																												
		WEEK 1	1143																																															
		WEEK 2	461																																															
		WEEK 3	693																																															
		WEEK 4	272																																															

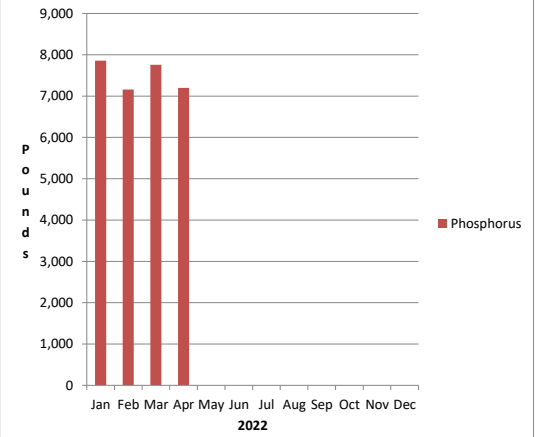
Influent TSS Total Pounds/Mo.



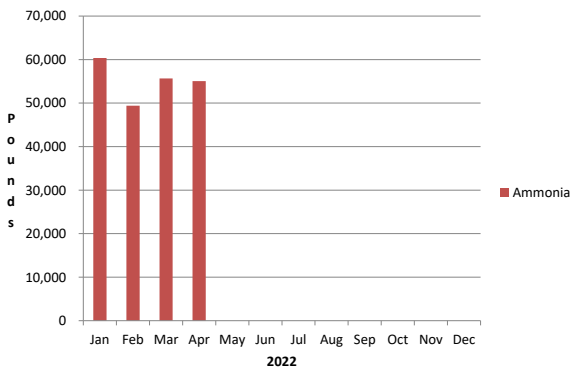
Influent BOD Total Pounds / Mo.



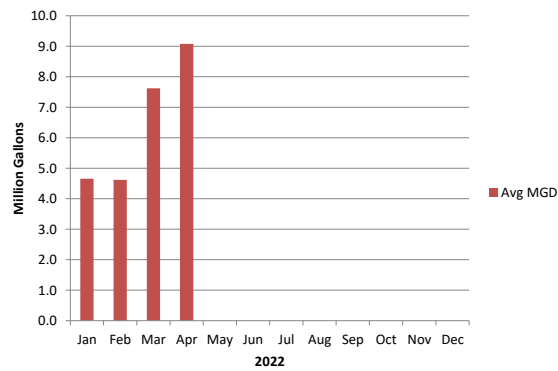
Influent Phosphorus Total Pounds/Mo.



Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.

