

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

May 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	222.5	7.2	178	10,477	324,787	272	16,081	498,519	4.82	282	7,605	32.2	1864	57,788	628	37,491	1,162,212
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	201	6.6	212	10,737	322,137	288	14,485	437,656	5.14	256	7,516	37.2	1,829	55,648	687	34,833	1,054,185
Yearly Total	1,004.6				1,610,683			2,188,279			37,579			278,239			5,270,923
*Includes Hauled Waste [Plant Design Capacity]		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons): 247,090 [Max Design Capacity]		11.9		16,278			14,651			407			1,920				
May % of Capacity		60%		64%			110%			69%			97%				
May Max Daily Flow		11.24															

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
May	158.7	5.1	9.6	484	14,532	11.9	494	15,306	0.22	9.8	304	1.39	62.6	1,752	644
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Average	124.8	4.1	15.2	539	16,121	12.0	442.0	13,459	0.30	10.3	312.3	0.73	28.5	803.2	688
Yearly Total	624.0				80,603			67,296			1,562			4,015.9	

{PERMIT LIMITS (WDNR)}	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#	Monthly Avg Limit
	Weekly (Avg)	1345#	Weekly Avg	45 mg/L	6 mo Avg	10.5#	
	Daily Max	30	WLA May-Oct		Daily Max mg/L	1.0	

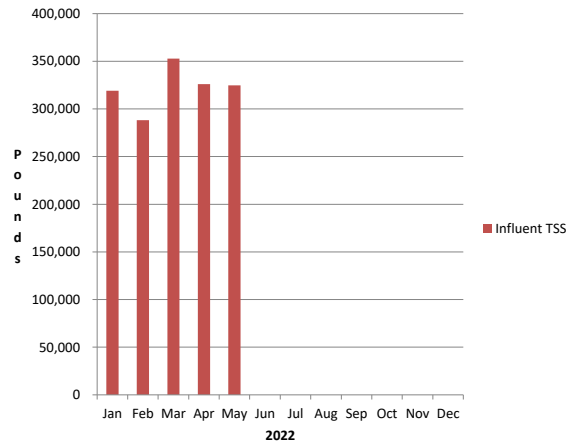
Jan- Marc	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct-Dec	18 mg/L

Effluent Gallons to Fox Energy (May)	158.66	% to Fox Energy	67%
---	--------	-----------------	-----

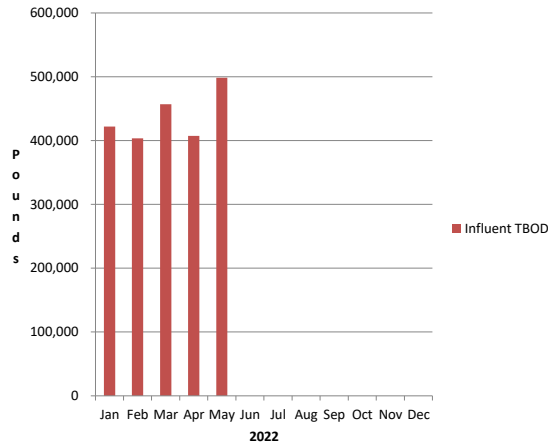
May Avg #/s	388
WEEK 1	388
WEEK 2	307
WEEK 3	549
WEEK 4	749

6 mo. Avg #/s	9.95	May-Oct
---------------	------	---------

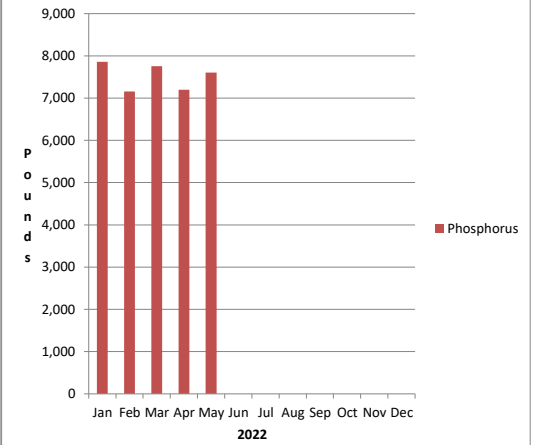
Influent TSS Total Pounds/Mo.



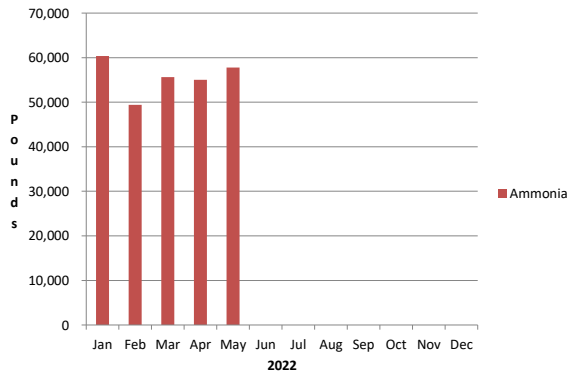
Influent BOD Total Pounds / Mo.



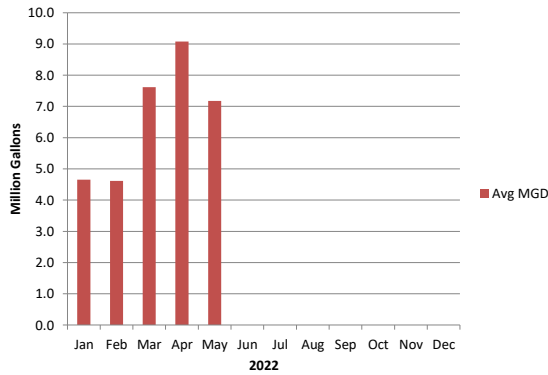
Influent Phosphorus Total Pounds/Mo.



Influent Ammonia Total Pounds/Mo.



Avg Influent MGD/Mo.



Influent Chloride Total Pounds/Mo.

