

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

**February 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																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Average</b>	137	4.6	266	10,291	303,598	363	14,013	412,772	6.59	255	7,508	48.4	1,856	54,880	791	30,876	893,105
<b>Yearly Total</b>	273.6				607,196			825,544			15,016			109,761			1,786,210

\*Includes Hauled Waste

[Plant Design Capacity]

8.5

13,565

12,209

339

1,600

(Hauled Waste Gallons): 151,060

[Max Design Capacity]

11.9

16,278

14,651

407

1,920

February % of Capacity

39%

63%

98%

63%

92%

February Max Daily Flow

5.12

**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															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Average</b>	62.4	2.1	13.0	230	6,769	10.9	192.2	5,641	0.34	6.0	175.3	0.47	8.6	251.4	788
<b>Yearly Total</b>	124.8				13,538			11,282			351			502.9	

Monthly Avg Limit

Jan- March 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

(February)

Million Gallons % to Fox Energy

66.16 51%

February Avg #'s

WEEK 1 335

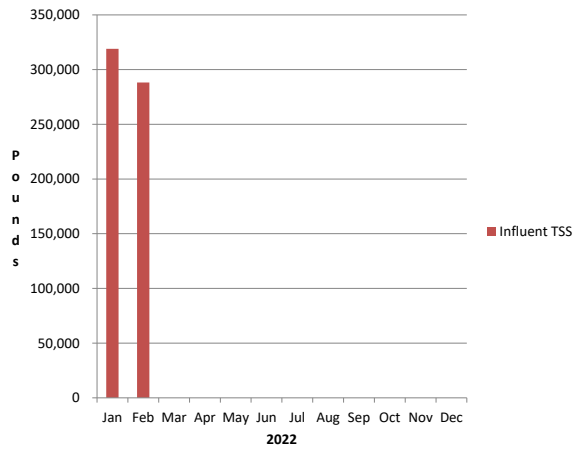
WEEK 2 173

WEEK 3 254

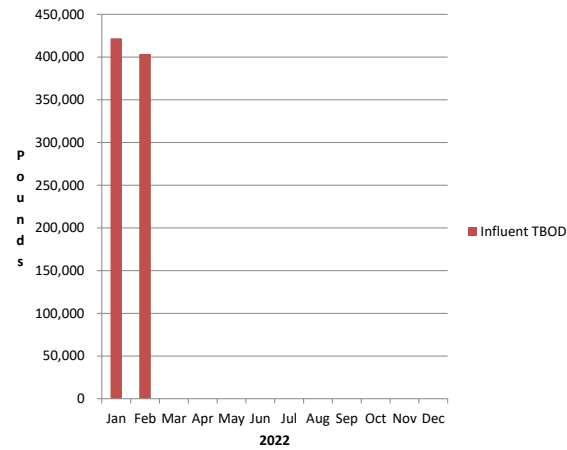
WEEK 4 235

6 mo. Avg #' 7.01 Nov-April

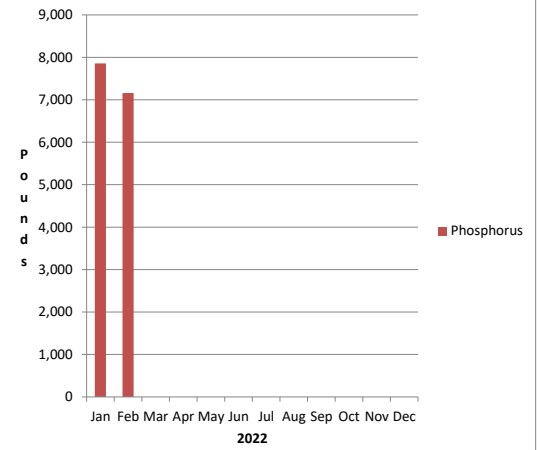
**Influent TSS Total Pounds/Mo.**



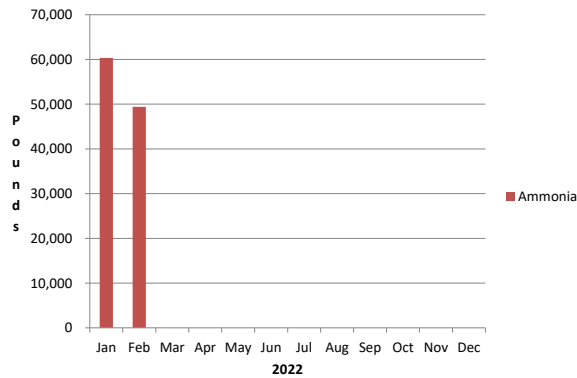
**Influent BOD Total Pounds / Mo.**



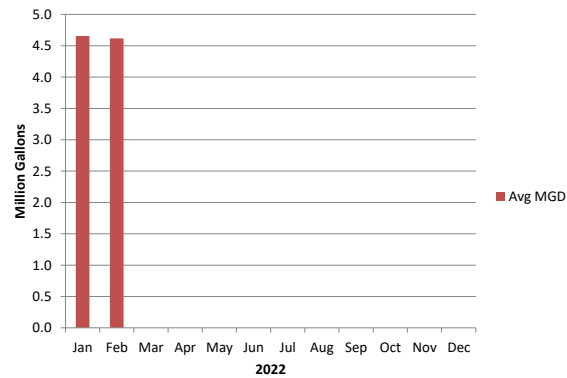
**Influent Phosphorus Total Pounds/Mo.**



**Influent Ammonia Total Pounds/Mo.**



**Avg Influent MGD/Mo.**



**Influent Chloride Total Pounds/Mo.**

