

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

February 2021

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	151.4	4.9	217	8,736	270,817	300	12,085	374,624	6.05	243	7,528	49.0	1961	60,780	702	28,228	875,077
Feb	135.2	4.8	231	8,334	258,362	311	12,383	346,731	5.91	235	6,583	46.4	1641	50,873	796	28,751	891,291
Mar																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Yearly Average</b>	143.3	4.9	224	8,535	264,590	305	12,234	360,678	5.98	239	7,055	47.7	1,801	55,827	749	28,490	883,184
<b>Yearly Total</b>	286.6				529,179			721,356			14,111			111,653			1,766,368
*Includes Hauled Waste [Plant Design Capacity]		8.5		13,565			12,209			339			1,600				
[Max Design Capacity]		11.9		16,278			14,651			407			1,920				
February % of Capacity		41%		51%			85%			58%			85%				
February Max Daily Flow		6.58															

**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	63.8	2.1	10.9	185	5,721	9.3	160	4,957	0.31	5.2	163	0.42	7.8	241.9	707	
Feb	66.3	2.4	11	206	5,759	10	196	5,499	0.31	5.9	166.55	0.42	7.68	237.99	808	
Mar																
Apr																
May																
Jun																
Jul																
Aug																
Sep																
Oct																
Nov																
Dec																
<b>Yearly Average</b>	65.1	2.2	10.8	195	5,740	9.7	178.1	5,228	0.31	5.6		0.42	7.7	239.9	758	
<b>Yearly Total</b>	130.1				11,480			10,456			329			479.9		
Effluent Gallons to Fox Energy (February)		68.91	51%						6 mo. Avg	6.10						Nov-April
Million Gallons		68.91														
% to Fox Energy		51%														
				February	Avg #'s											
				WEEK 1	152											
				WEEK 2	224											
				WEEK 3	238											
				WEEK 4	208											

	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