

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

**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	1,961	60,780	702	28,228	875,077
Feb																	
Mar																	
Apr																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Average</b>	151.4	4.9	217	8,736	270,817	300	12,085	374,624	6.05	243	7,528	49.0	1,961	60,780	702	28,228	875,077
<b>Total</b>	151.4				270,817			374,624			7,528			60,780			875,077

\*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

January % of Capacity

41%

54%

82%

60%

102%

January Max Daily Flow

5.951

**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															
Mar															
Apr															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Average</b>	63.8	2.1	10.9	185	5,721	9.3	159.9	4,957	0.31	5.2		0.42	7.8	241.9	707
<b>Total</b>	63.8				5,721			4,957			163			241.9	

  

(PERMIT LIMITS (WDNR))	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#	Jan- March	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

  

Effluent Gallons to Fox Energy	January	Avg #'s	6 mo. Avg #'s=	8.01	Nov-April
(January)	WEEK 1	206			
	WEEK 2	157			
Million Gallons	WEEK 3	207			
% to Fox Energy	WEEK 4	169			
87.57	58%				