

INFLUENT STRENGTH (Heart of the Valley Metropolitan Sewerage Facility)

December 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	227.7	7.3	150	9,098	282,028	212	12,818	397,347	3.89	234	7,264	32.0	1,929	59,806	590	35,765	1,108,705
Apr	202.9	6.8	179	9,975	299,254	231	12,852	385,562	4.36	241	7,241	34.4	1,790	55,483	580	30,560	916,811
May	198.4	6.4	182	9,555	296,212	264	13,942	432,203	4.92	260	8,054	37.9	1,926	59,693	631	34,789	1,043,666
June	191.7	6.4	204	10,428	312,840	296	14,746	442,373	5.10	255	7,646	37.4	1,831	54,919	679	33,103	993,089
Jul	259.3	8.4	163	11,266	349,258	203	13,606	421,799	3.63	243	7,536	28.3	1,872	58,018	499	32,811	1,017,148
Aug	260.4	8.4	169	11,585	359,123	227	15,206	471,381	3.97	262	8,128	30.6	1,937	60,050	613	39,244	1,216,557
Sep	192.1	6.4	219	11,634	349,029	256	13,525	405,741	4.82	254	7,613	37.4	1,983	59,503	634	33,372	1,001,147
Oct	170.5	5.5	234	10,694	331,525	315	14,406	446,579	5.71	260	8,075	43.7	2,054	61,625	624	29,640	889,197
Nov	145.0	4.8	268	10,811	324,317	357	14,387	431,606	6.57	265	7,941	49.8	2,001	60,044	714	28,380	851,408
Dec	167.5	5.4	260	11,616	360,103	323	14,531	450,464	6.07	262	8,111	46.7	2,142	64,256	705	32,428	972,825
Yearly Average	191.8	6.3	206	10,311	316,072	275	13,707	417,201	5.08	251	7,643	39.5	1,922	58,754	647	32,256	981,410
Yearly Total	2,302.2				3,792,868			5,006,411			91,720			705,049			11,776,921
*Includes Hauled Waste [Plant Design Capacity] →		8.5		13,565			12,209			339			1,600				
<small>(Hauled Waste Gallons)= 169,400</small> [Max Design Capacity] →		11.9		16,278			14,651			407			1,920				
December % of Max Capacity →		45%		71%			99%			64%			112%				

December Max Daily Flow (MGD) 7.19

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	242	707	
Feb	66.3	2.4	11	206	5,759	10	196	5,499	0.31	5.9	167	0.42	7.7	238	808	
Mar	136.9	4.4	7.1	259	8,037	7.0	260	8,070	0.20	7.4	229	0.28	10.0	310	603	
Apr	123.5	4.1	6.5	222	6,664	5.8	198	5,945	0.19	6.4	193	0.31	10.2	315	600	
May	138.3	4.5	5.8	211	6,552	6.2	221	6,864	0.28	9.8	304	0.38	13.0	404	656	
June	93.5	3.1	9.8	290	8,712	9.9	262	7,865	0.37	9.4	281	0.37	7.7	240	673	
Jul	165.4	5.3	15.1	725	22,480	13.5	628	19,465	0.34	15.4	477	0.45	21.1	654	493	
Aug	158.2	5.1	13.6	581	18,018	12.0	490	15,188	0.31	12.6	392	0.42	15.3	476	561	
Sep	114.8	3.8	15.9	492	14,770	11.2	343	10,305	0.40	12.3	369	0.53	15.9	492	654	
Oct	108.4	3.5	17.0	475	14,722	12.2	337	10,441	0.41	11.7	363	0.52	15.3	473	642	
Nov	54.3	1.8	19.5	294	8,811	12.9	197	5,905	0.53	7.7	231	0.56	9.4	292	700	
Dec	81.2	2.6	17.1	377	11,682	13.9	315	9,765	0.40	8.6	266	0.87	21.1	654	700	
Yearly Average	108.7	4	12	360	10,994	10	301	9,189	0.34	9.4	286	0.46	12.9	399.0	650	
Yearly Total	1,304.5				131,927			110,270			3,434			4,788.5		
Effluent Gallons to Fox Energy (December)		86.31														
% to Fox Energy		60%														
December Avg #'s									6 mo. Avg #	8.04	Nov-April					
WEEK 1										194						
WEEK 2										#DIV/0!						
WEEK 3										#DIV/0!						
WEEK 4										#DIV/0!						

Monthly Avg Limit	
Jan-March	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct-Dec	18 mg/L

