

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

March 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																	
May																	
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Yearly Average</b>	171.4	5.7	199	8,723	270,402	274	12,429	372,901	5.28	237	7,125	42.5	1,844	57,153	696	30,915	958,358
<b>Yearly Total</b>	514.3				811,207			1,118,703			21,375			171,459			2,875,073

\*Includes Hauled Waste  
[Plant Design Capacity]

	8.5	13,565	12,209	339	1,600
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[Max Design Capacity]

	11.9	16,278	14,651	407	1,920
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March % of Capacity

	62%	56%	87%	58%	100%
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March Max Daily Flow

9.94

**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															
May															
Jun															
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Yearly Average</b>	89.0	2.9	9.6	216	6,506	8.8	205.5	6,175	0.27	6.2	186	0.37	8.5	263.2	706
<b>Yearly Total</b>	267.1				19,517			18,526			558			789.6	

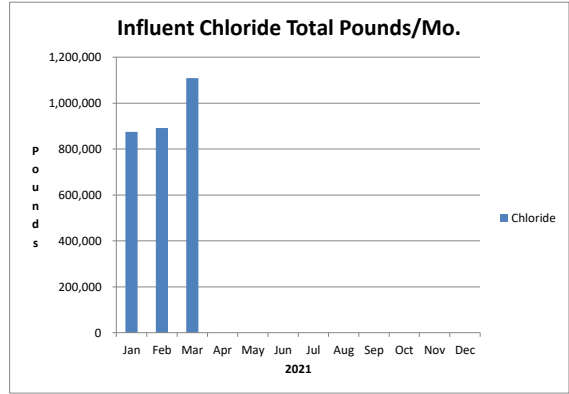
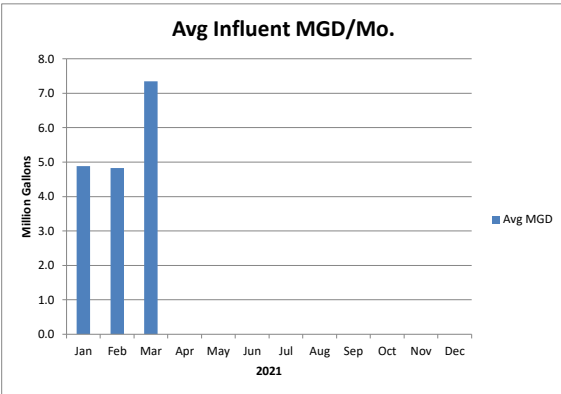
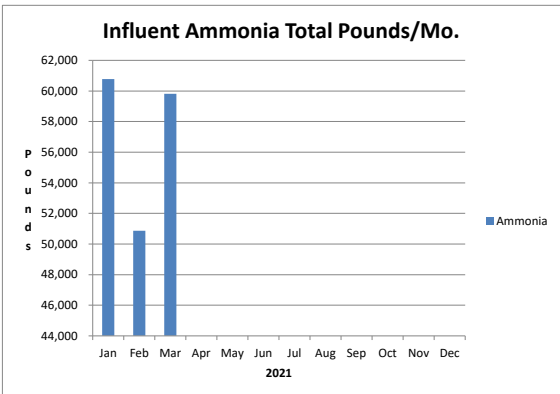
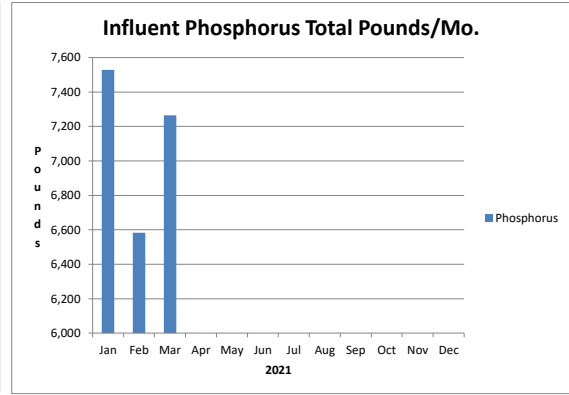
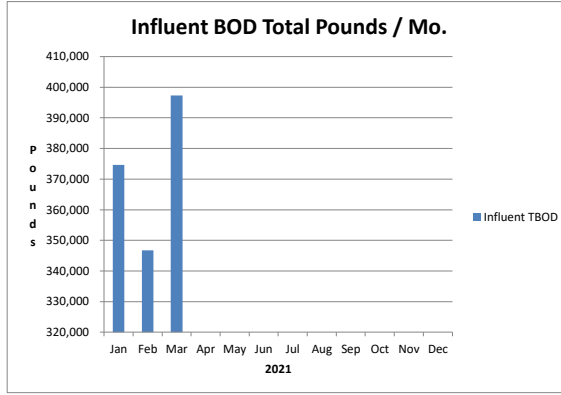
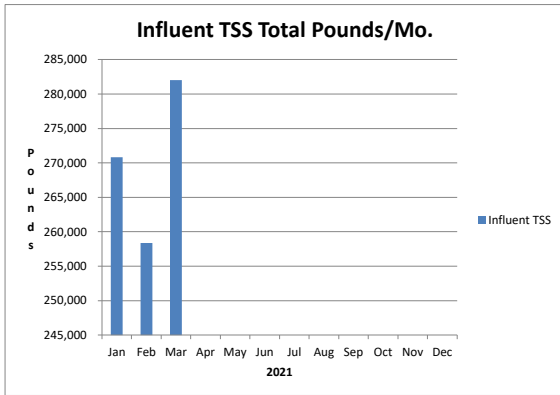
Monthly Avg Limit

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	
(March)	
Million Gallons	% to Fox Energy
90.73	40%

March	Avg #'s	6 mo. Avg #	Nov-April
WEEK 1	213	6.05	
WEEK 2	260		
WEEK 3	268		
WEEK 4	215		



# RAIN GAUGES

## DAILY RAINFALL TOTALS (Includes Rain,Melted Snow)

MONTH: MARCH

YEAR: 2021

NOAA Site Appleton

<u>DATE</u>	<u>PLANT INCHES</u>	<u>KAUKAUNA INCHES</u>	<u>LITTLE CHUTE INCHES</u>	<u>KIMBERLY INCHES</u>	<u>DARBOY INCHES</u>
1	0.00				
2	0.00				
3	0.00				
4	0.00				
5	0.00				
6	0.00				
7	0.00				
8	0.00				
9	0.00				
10	0.00				
11	0.41				
12	0.00				
13	0.00				
14	0.00				
15	0.00				
16	0.13				
17	0.00				
18	0.09				
19	0.00				
20	0.00				
21	0.00				
22	0.00				
23	0.00				
24	0.81				
25	0.03				
26	0.00				
27	0.00				
28	0.32				
29	0.00				
30	0.00				
31	0.00				
<b>TOTAL:</b>	1.79	0.00	0.00	0.00	0.00