

# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: MARCH 2016

## HYDRAULIC AND ORGANIC LOADINGS DATA

### INFLUENT

<b>TOTAL FLOW TO PLANT:</b> 266,917,000 GALLONS		
<b>AVERAGE B.O.D. :</b>	129 mg/L	<b>MAXIMUM DAILY FLOW TO PLANT:</b>
<b>AVERAGE SUSPENDED SOLIDS :</b>	121 mg/L	16,630,000 Gallons
<b>AVERAGE PHOSPHORUS :</b>	3.49 mg/L	
<b>AVERAGE AMMONIA-N :</b>	19.64 mg/L	
<b>AVERAGE CHLORIDES :</b>	405.00 mg/L	

### PERCENT (%) BY COMMUNITY OF TOTAL MONTHLY VOLUME TREATED AT WWTP

<u>COMMUNITY</u>	<u>FLOW</u>	<u>BOD</u>	<u>TSS</u>	<u>PHOSPHORUS</u>	<u>AMMONIA</u>	<u>CHLORIDES</u>
KAUKAUNA	40.24	26.94	30.50	29.03	31.18	34.50
LITTLE CHUTE	25.63	30.84	23.75	26.72	34.70	33.63
KIMBERLY	14.31	15.58	15.83	15.32	10.34	14.54
COMBINED LOCKS	6.46	6.45	6.52	6.69	6.25	2.50
DARBOY	13.37	20.20	23.40	22.24	17.53	14.83

<u>AVERAGE DAILY INFLUENT LOADINGS</u>	<u>%</u>	<u>PLANT DESIGN CRITERIA</u>
<b>FLOW :</b> 8,610,226 GALLONS	72.4	11,900,000 GALLONS/DAY
<b>B.O.D. :</b> 9,296 POUNDS	63.5	14,651 POUNDS/DAY
<b>SUSPENDED SOLIDS :</b> 8,675 POUNDS	53.3	16,278 POUNDS/DAY
<b>PHOSPHORUS :</b> 251 POUNDS	61.6	407 POUNDS/DAY
<b>AMMONIA-N :</b> 1,410 POUNDS	73.4	1,920 POUNDS/DAY
<b>CHLORIDES :</b> 29,083 POUNDS		

### FINAL EFFLUENT

	<u>MONTHLY AVERAGE</u>	<u>%</u>	<u>PERMIT LIMIT</u>
<b>cB.O.D. :</b>	6.02 mg/L	24.1	25 mg/L
<b>SUSPENDED SOLIDS :</b>	10.39 mg/L	34.6	30 mg/L
<b>PHOSPHORUS :</b>	0.26 mg/L	25.8	1 mg/L
<b>AMMONIA-N :</b>	0.17 mg/L		
<b>CHLORIDES :</b>	448.46 mg/L		

# RAIN GAUGES

## DAILY RAINFALL TOTALS

MONTH: MARCH

YEAR: 2016

<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	0.10				
2	0.00				
3	0.00				
4	0.16				
5	0.00				
6	0.00				
7	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00
9	0.06	0.09	0.07	0.06	0.09
10	0.00	0.00	0.01	0.00	0.00
11	0.00	0.00	0.01	0.01	0.00
12	0.00	0.00	0.00	0.00	0.00
13	0.22	0.19	0.18	0.25	0.27
14	0.04	0.04	0.03	0.02	0.03
15	0.64	0.62	0.21	0.67	0.69
16	0.43	0.28	0.24	0.38	0.42
17	0.00	0.00		0.00	0.02
18	0.00	0.00		0.00	0.00
19	0.00	0.00	RAIN	0.00	0.00
20	0.00	0.00	GUAGE	0.00	0.00
21	0.00	0.00	BATTERY	0.00	0.00
22	0.00	0.00	DEAD	0.00	0.00
23	0.00	0.00	(NO DATA)	0.00	0.00
24	0.00	0.00		0.00	0.00
25	0.13	0.13		0.10	0.10
26	0.00	0.00		0.00	0.00
27	0.11	0.09		0.05	0.07
28	0.00	0.00		0.00	0.00
29	0.00	0.00		0.00	0.00
30	0.37	0.29		0.35	0.35
31	0.56	0.47		0.59	0.63
<b>TOTAL:</b>	<b>2.82</b>	<b>2.20</b>	<b>0.75</b>	<b>2.48</b>	<b>2.67</b>