

HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: JANUARY 2015

HYDRAULIC AND ORGANIC LOADINGS DATA

INFLUENT

TOTAL FLOW TO PLANT: 143,460,000 GALLONS
 AVERAGE B.O.D. : 208 mg/L
 AVERAGE SUSPENDED SOLIDS : 217 mg/L
 AVERAGE PHOSPHORUS : 6.16 mg/L
 AVERAGE AMMONIA-N : 34.88 mg/L
 AVERAGE CHLORIDES : 465.00 mg/L

MAXIMUM DAILY FLOW TO PLANT:
5,649,000 Gallons

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	37.90	29.01	30.86	29.18	34.22	36.70
LITTLE CHUTE	23.63	24.40	24.36	24.02	25.20	29.27
KIMBERLY	13.06	13.31	12.26	13.95	12.03	9.48
COMBINED LOCKS	5.19	6.25	6.25	6.16	5.91	3.34
DARBOY	20.22	27.03	26.27	26.69	22.64	21.21

AVERAGE DAILY INFLUENT LOADINGS

FLOW : 4,627,742 GALLONS
 B.O.D. : 8,040 POUNDS
 SUSPENDED SOLIDS : 8,376 POUNDS
 PHOSPHORUS : 238 POUNDS
 AMMONIA-N : 1,346 POUNDS
 CHLORIDES : 17,947 POUNDS

<u>%</u>
38.9
54.9
51.5
58.5
70.1

PLANT DESIGN CRITERIA

11,900,000 GALLONS/DAY
 14,651 POUNDS/DAY
 16,278 POUNDS/DAY
 407 POUNDS/DAY
 1,920 POUNDS/DAY

FINAL EFFLUENT

MONTHLY
AVERAGE

cB.O.D. : 6.08 mg/L
 SUSPENDED SOLIDS : 11.14 mg/L
 PHOSPHORUS : 0.33 mg/L
 AMMONIA-N : 0.54 mg/L
 CHLORIDES : 491.54 mg/L

<u>%</u>
24.3
37.1
32.9

PERMIT
LIMIT

25 mg/L
 30 mg/L
 1 mg/L