

HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: MARCH 2015

HYDRAULIC AND ORGANIC LOADINGS DATA

INFLUENT

TOTAL FLOW TO PLANT: 141,868,000 GALLONS
 AVERAGE B.O.D. : 207 mg/L
 AVERAGE SUSPENDED SOLIDS : 232 mg/L
 AVERAGE PHOSPHORUS : 6.30 mg/L
 AVERAGE AMMONIA-N : 30.68 mg/L
 AVERAGE CHLORIDES : 606.15 mg/L

MAXIMUM DAILY FLOW TO PLANT:
5,455,000 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	37.39	26.13	27.27	29.42	32.50	31.28
LITTLE CHUTE	24.20	23.80	24.23	23.35	26.70	28.56
KIMBERLY	13.55	15.02	12.82	13.28	12.42	14.72
COMBINED LOCKS	5.32	7.32	8.49	6.78	5.69	5.00
DARBOY	19.53	27.72	27.19	27.16	22.69	20.44

AVERAGE DAILY INFLUENT LOADINGS

FLOW : 4,576,387 GALLONS
 B.O.D. : 7,886 POUNDS
 SUSPENDED SOLIDS : 8,850 POUNDS
 PHOSPHORUS : 240 POUNDS
 AMMONIA-N : 1,171 POUNDS
 CHLORIDES : 23,135 POUNDS

<u>%</u>
38.5
53.8
54.4
59.1
61.0

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. : 5.90 mg/L
 SUSPENDED SOLIDS : 12.29 mg/L
 PHOSPHORUS : 0.45 mg/L
 AMMONIA-N : 0.36 mg/L
 CHLORIDES : 625.00 mg/L

<u>%</u>
23.6
41.0
45.1

PERMIT
LIMIT

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