

# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: FEBRUARY 2015

## HYDRAULIC AND ORGANIC LOADINGS DATA

### INFLUENT

TOTAL FLOW TO PLANT: 103,918,000 GALLONS  
 AVERAGE B.O.D. : 242 mg/L  
 AVERAGE SUSPENDED SOLIDS : 236 mg/L  
 AVERAGE PHOSPHORUS : 6.72 mg/L  
 AVERAGE AMMONIA-N : 37.94 mg/L  
 AVERAGE CHLORIDES : 658.18 mg/L

**MAXIMUM DAILY FLOW TO PLANT:**  
4,335,000 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	36.21	28.06	28.76	31.10	32.29	29.31
LITTLE CHUTE	25.18	24.94	21.88	22.85	25.42	30.03
KIMBERLY	13.26	13.63	13.34	14.28	12.64	14.88
COMBINED LOCKS	4.45	6.05	7.08	5.87	5.59	3.38
DARBOY	20.90	27.32	28.94	25.90	24.06	22.40

### AVERAGE DAILY INFLUENT LOADINGS

FLOW : 3,711,357 GALLONS  
 B.O.D. : 7,483 POUNDS  
 SUSPENDED SOLIDS : 7,305 POUNDS  
 PHOSPHORUS : 208 POUNDS  
 AMMONIA-N : 1,174 POUNDS  
 CHLORIDES : 20,373 POUNDS

<u>%</u>
31.2
51.1
44.9
51.1
61.2

### 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. : 6.06 mg/L  
 SUSPENDED SOLIDS : 10.49 mg/L  
 PHOSPHORUS : 0.38 mg/L  
 AMMONIA-N : 0.31 mg/L  
 CHLORIDES : 685.83 mg/L

<u>%</u>
24.3
35.0
38.1

### PERMIT LIMIT

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