

# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: FEBRUARY 2019

## HYDRAULIC AND ORGANIC LOADINGS DATA

<u>INFLUENT*</u>	
TOTAL FLOW TO PLANT:	132,459,000 GALLONS
AVERAGE B.O.D. :	269 mg/L
AVERAGE SUSPENDED SOLIDS :	206 mg/L
AVERAGE PHOSPHORUS :	5.20 mg/L
AVERAGE AMMONIA-N :	36.89 mg/L
AVERAGE CHLORIDES :	690.00 mg/L

MAXIMUM DAILY FLOW TO PLANT:  
7,704,000

### 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	38.68	25.01	30.57	30.97	26.27	31.51
LITTLE CHUTE	24.19	37.02	27.90	25.56	37.48	32.14
KIMBERLY	12.71	11.23	10.85	12.85	10.36	14.29
COMBINED LOCKS	5.92	5.83	6.88	6.64	5.51	2.22
DARBOY	18.50	20.91	23.80	23.98	20.37	19.85

<u>AVERAGE DAILY INFLUENT LOADINGS</u>	<u>PLANT DESIGN CRITERIA</u>					
	<u>%</u>	<u>MAX</u>		<u>AVG</u>	<u>%</u>	
FLOW :	39.8	11,900,000	GALLONS/DAY	8,500,000	55.66	
B.O.D. :	72.5	14,651	POUNDS/DAY	12,209	86.95	
SUSPENDED SOLIDS :	45.0	16,278	POUNDS/DAY	13,565	54.00	
PHOSPHORUS :	45.6	407	POUNDS/DAY	339	54.69	
AMMONIA-N :	68.5	1,920	POUNDS/DAY	1,600	82.17	
CHLORIDES :						

<u>FINAL EFFLUENT</u>	<u>MONTHLY AVERAGE</u>	<u>MONTHLY AVG PERMIT LIMIT</u>	
	<u>%</u>	<u>LIMIT</u>	
FLOW:	2,676,500		
SUSPENDED SOLIDS :	10.64	35.5	mg/L
SUSPENDED SOLIDS :	246.00	30.7	lbs
cB.O.D. :	9.04	36.2	mg/L
PHOSPHORUS :	0.23	22.8	mg/L
AMMONIA-N :	0.51	5.1	mg/L
CHLORIDES :	706.67		mg/L

FOX ENERGY CENTER PUMPED: 57,517,000 GALLONS

Effluent to Fox Energy  
**43%**

\* INCLUDES HAULED WASTE