

HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: AUGUST 2019

HYDRAULIC AND ORGANIC LOADINGS DATA

<u>INFLUENT*</u>	
TOTAL FLOW TO PLANT:	160,932,000 GALLONS
AVERAGE B.O.D. :	219 mg/L
AVERAGE SUSPENDED SOLIDS :	181 mg/L
AVERAGE PHOSPHORUS :	4.88 mg/L
AVERAGE AMMONIA-N :	34.68 mg/L
AVERAGE CHLORIDES :	648.46 mg/L

MAXIMUM DAILY FLOW TO PLANT:
8,737,000

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

COMMUNITY	FLOW	BOD	TSS	PHOSPHORUS	AMMONIA	CHLORIDES
KAUKAUNA	38.80	25.66	29.71	30.53	25.14	29.01
LITTLE CHUTE	26.30	31.11	25.30	25.72	41.70	31.98
KIMBERLY	12.67	11.97	11.48	13.34	9.61	23.13
COMBINED LOCKS	5.45	5.84	6.03	6.36	5.29	1.52
DARBOY	16.77	25.43	27.48	24.05	18.26	14.35

<u>AVERAGE DAILY INFLUENT LOADINGS</u>	<u>PLANT DESIGN CRITERIA</u>					
	<u>%</u>	<u>MAX</u>		<u>AVG</u>	<u>%</u>	
FLOW :	43.9	11,900,000	GALLONS/DAY	8,500,000	61.46	
B.O.D. :	64.5	14,651	POUNDS/DAY	12,209	77.36	
SUSPENDED SOLIDS :	47.3	16,278	POUNDS/DAY	13,565	56.81	
PHOSPHORUS :	50.3	407	POUNDS/DAY	339	60.35	
AMMONIA-N :	76.3	1,920	POUNDS/DAY	1,600	91.51	
CHLORIDES :						

<u>FINAL EFFLUENT</u>	<u>MONTHLY AVERAGE</u>	<u>MONTHLY AVG PERMIT LIMIT</u>	
	<u>%</u>	<u>LIMIT</u>	
FLOW:	1,988,742		
SUSPENDED SOLIDS :	15.16	50.5	mg/L
SUSPENDED SOLIDS :	236.08	29.5	lbs
B.O.D. :	8.35	27.8	mg/L
PHOSPHORUS :	0.29	29.2	mg/L
AMMONIA-N :	0.48	11.0	mg/L
CHLORIDES :	646.92		mg/L

FOX ENERGY CENTER PUMPED: 99,281,000 GALLONS

Effluent to Fox Energy
62%

* INCLUDES HAULED WASTE

RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: AUGUST

YEAR: 2019

<u>DATE</u>	<u>PLANT</u> <u>INCHES</u>	<u>KAUKAUNA</u> <u>INCHES</u>	<u>LITTLE CHUTE</u> <u>INCHES</u>	<u>KIMBERLY</u> <u>INCHES</u>	<u>DARBOY</u> <u>INCHES</u>
1	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00
3	0.00	0.34	0.72	0.82	1.01
4	0.00	0.01	0.00	0.00	0.00
5	0.00	1.32	1.24	1.25	1.31
6	0.00	0.01	0.00	0.00	0.00
7	0.00	0.77	1.07	0.91	0.59
8	0.00	0.09	0.01	0.00	0.01
9	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.01
14	0.00	0.00	0.03	0.02	0.01
15	0.00	0.00	0.00	0.00	0.00
16	0.00	0.15	0.28	0.02	0.15
17	0.00	0.05	0.00	0.00	0.00
18	0.00	0.02	0.01	0.00	0.02
19	0.00	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00
22	0.04	0.06	0.03	0.00	0.00
23	0.00	0.00	0.01	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00
26	0.71	0.22	0.52	0.51	0.54
27	0.24	0.09	0.23	0.23	0.08
28	0.00	0.04	0.00	0.00	0.00
29	0.04	0.03	0.03	0.04	0.07
30	0.00	0.04	0.00	0.00	0.00
31	0.00	0.02	0.00	0.00	0.00
TOTAL:	1.03	3.27	4.18	3.80	3.80

No data