

HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: JULY 2015

HYDRAULIC AND ORGANIC LOADINGS DATA

INFLUENT

TOTAL FLOW TO PLANT: 132,478,000 GALLONS
 AVERAGE B.O.D. : 211 mg/L
 AVERAGE SUSPENDED SOLIDS : 227 mg/L
 AVERAGE PHOSPHORUS : 4.77 mg/L
 AVERAGE AMMONIA-N : 31.26 mg/L
 AVERAGE CHLORIDES : 640.71 mg/L

MAXIMUM DAILY FLOW TO PLANT:
5,157,000 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	35.48	26.04	28.87	28.70	29.31	33.41
LITTLE CHUTE	24.77	23.85	22.73	24.23	30.12	33.78
KIMBERLY	12.87	14.85	15.68	14.65	11.42	14.04
COMBINED LOCKS	5.95	7.69	8.03	7.13	6.84	1.89
DARBOY	20.92	27.58	24.69	25.29	22.30	16.88

AVERAGE DAILY INFLUENT LOADINGS

FLOW : 4,273,484 GALLONS
 B.O.D. : 7,511 POUNDS
 SUSPENDED SOLIDS : 8,082 POUNDS
 PHOSPHORUS : 170 POUNDS
 AMMONIA-N : 1,114 POUNDS
 CHLORIDES : 22,836 POUNDS

<u>%</u>
35.9
51.3
49.7
41.8
58.0

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. : 6.94 mg/L
 SUSPENDED SOLIDS : 19.67 mg/L
 PHOSPHORUS : 0.51 mg/L
 AMMONIA-N : 0.39 mg/L
 CHLORIDES : 685.00 mg/L

<u>%</u>
27.8
65.6
51.2

PERMIT
LIMIT

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

RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: JULY

YEAR: 2015

<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	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00
6	0.24	0.34	0.28	0.46	0.36
7	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00
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	0.47	0.65	0.56	0.88	0.84
14	0.00	0.00	0.00	0.01	0.00
15	0.00	0.00	0.00	0.00	0.00
16	0.06	0.06	0.08	0.05	0.06
17	0.00	0.01	0.03	0.02	0.04
18	0.48	0.49	0.49	0.53	0.62
19	0.00	0.00	0.00	0.00	0.00
20	0.02	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00
TOTAL:	1.27	1.55	1.44	1.95	1.92