

HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

MONTH: NOVEMBER 2015

HYDRAULIC AND ORGANIC LOADINGS DATA

INFLUENT

TOTAL FLOW TO PLANT: 161,094,000 GALLONS
 AVERAGE B.O.D. : 188 mg/L
 AVERAGE SUSPENDED SOLIDS : 175 mg/L
 AVERAGE PHOSPHORUS : 4.30 mg/L
 AVERAGE AMMONIA-N : 25.88 mg/L
 AVERAGE CHLORIDES : 495.00 mg/L

MAXIMUM DAILY FLOW TO PLANT:
9,125,000 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	38.78	28.50	32.05	32.16	34.28	37.95
LITTLE CHUTE	23.27	24.84	20.57	23.25	27.78	32.94
KIMBERLY	12.91	11.43	12.79	11.84	10.09	10.91
COMBINED LOCKS	6.12	7.08	6.92	7.19	6.65	1.90
DARBOY	18.92	28.15	27.67	25.55	21.21	16.30

AVERAGE DAILY INFLUENT LOADINGS

FLOW : 5,369,800 GALLONS
 B.O.D. : 8,421 POUNDS
 SUSPENDED SOLIDS : 7,852 POUNDS
 PHOSPHORUS : 192 POUNDS
 AMMONIA-N : 1,159 POUNDS
 CHLORIDES : 22,168 POUNDS

<u>%</u>
45.1
57.5
48.2
47.3
60.4

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. : 5.35 mg/L
 SUSPENDED SOLIDS : 15.63 mg/L
 PHOSPHORUS : 0.39 mg/L
 AMMONIA-N : 0.71 mg/L
 CHLORIDES : 509.23 mg/L

<u>%</u>
21.4
52.1
38.8

PERMIT
LIMIT

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

RAIN GAUGES

DAILY RAINFALL TOTALS

MONTH: NOVEMBER

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	0.01	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	0.27	0.00	0.19	0.19	0.24
6	0.04	0.00	0.13	0.10	0.13
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	0.06	0.09	0.09	0.03	0.07
12	0.16	0.25	0.09	0.09	0.14
13	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00
17	0.46	0.53	0.33	0.26	0.35
18	0.02	0.04	0.03	0.04	0.06
19	0.02	0.00	0.01	0.01	0.01
20	0.00	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	0.97	0.98	0.83	0.97	1.08
27	0.03	0.05	0.10	0.14	0.14
28	0.00	0.00	0.01	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00
30	0.17	0.15	0.04	0.08	0.09
TOTAL:	2.21	2.09	1.85	1.91	2.31