

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: HEART OF THE VALLEY METRO SEWERAGE DISTRICT
 Contact Address: 801 Thilmany Rd
 Kaukauna, WI 54130
 Facility Contact: Brian Helming, District Director
 Phone Number: 920-766-5731
 Reporting Period: 03/01/2020 - 03/31/2020
 Form Due Date: 04/21/2020
 Permit Number: 0031232

Date Received:
 DOC: 440826
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Lisa L Lumley
 Reviewer: Barti Oumarou
 Office: Oshkosh

	Sample Point	001	701	701	001	701
	Description	Effluent	Influent	Influent	Effluent	Influent
	Parameter	211	211	66	66	457
	Description	Flow Rate	Flow Rate	BOD5, Total	BOD5, Total	Suspended Solids, Total
	Units	MGD	MGD	mg/L	mg/L	mg/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	5/WEEK	5/WEEK	5/WEEK
Sample Results	Day 1	2.233	5.058	345	7	244
	2	2.591	5.280	238	9	264
	3	2.798	5.250	228	6	212
	4	3.113	5.531	219	6	220
	5	3.661	6.080	196	7	164
	6	3.968	6.387	164	5	56
	7	4.413	6.670	148	5	68
	8	6.978	9.023	190	11	132
	9	10.657	13.405	151	13	128
	10	8.045	10.883	98	7	92
	11	7.899	10.632	104	7	104
	12	11.565	13.985	91	11	88
	13	8.744	11.163	120	6	96
	14	6.697	9.115	181	6	76
	15	6.375	8.793	169	7	120
	16	5.312	7.648	162	9	152
	17	4.217	7.244	178	7	124
	18	3.977	6.946	183	10	180
	19	12.800	15.247	211	9	144
	20	11.497	14.104	117	11	68
	21	7.680	10.385	117	9	96
	22	6.446	9.237	116	7	124
	23	5.425	8.210	151	8	132
	24	4.799	7.826	237	9	188
	25	5.101	8.225	177	8	124
	26	5.629	8.752	152	7	116
	27	5.650	8.757	99	7	40
	28	11.327	14.175	83	20	36
	29	13.002	15.293	102	10	84
	30	9.423	11.739	<2	7	84
	31	6.958	9.600	112	6	104

	Sample Point	001	701	701	001	701
	Description	Effluent	Influent	Influent	Effluent	Influent
	Parameter	211	211	66	66	457
	Description	Flow Rate	Flow Rate	BOD5, Total	BOD5, Total	Suspended Solids, Total
Units	MGD	MGD	mg/L	mg/L	mg/L	
Summary Values	Monthly Avg	6.741290323	9.375580645	156.096774194	8.290322581	124.516129032
	Daily Max	13.002	15.293	345	20	264
	Daily Min	2.233	5.058	<2	5	36
	Week 1 Avg				6.428571429	
	Week 2 Avg				8.714285714	
	Week 3 Avg				8.857142857	
	Week 4 Avg				9.428571429	
Limit(s) in Effect	Monthly Avg				30	0
	Daily Max					
	Daily Min					
	Weekly Avg				45	0
QA/QC Information	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			445005220	445005220	445005220

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	87	133	147	264	315
	Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3	<1.3	12.0	58.2	<5.9	8.6
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	87	133	147	264	315
	Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Summary Values	Monthly Avg	0	12	58.2	0	8.6
	Daily Max	<1.3	12	58.2	<5.9	8.6
	Daily Min	<1.3	12	58.2	<5.9	8.6
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	Monthly Avg					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	LOD	1.3	2.5	3.4	5.9	2.6
	LOQ	5	10	11.2	19.7	10
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750	405132750	405132750	405132750	405132750

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	377	457	457	1348
	Description	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	ug/L	su	mg/L	lbs/day	lbs/month
	Sample Type	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1		7.2	7.2	134	
	2		7.2	8.8	190	
	3	123	7.3	9.6	224	
	4		7.1	5.6	145	
	5		7.2	8.8	269	
	6		7.4	6.0	199	
	7		7.0	5.2	191	
	8		7.1	14.0	815	
	9		7.4	15.2	1351	
	10		7.4	8.8	590	
	11		7.4	8.8	580	
	12		7.3	14.0	1350	
	13		7.6	8.8	642	
	14		7.7	9.6	536	
	15		7.5	10.4	553	
	16		7.6	10.0	443	
	17		7.3	6.0	211	
	18		7.7	10.8	358	
	19		7.3	34.4	3672	
	20		7.3	15.2	1457	
	21		7.0	10.0	641	
	22		7.2	12.4	667	
	23		7.7	7.6	344	
	24		7.4	5.6	224	
	25		7.2	4.4	187	
	26		7.2	7.6	357	
	27		7.2	7.2	339	
	28		7.1	26	2456	
	29		7.1	19.2	2082	
	30		7.2	8.8	692	
	31		7.3	7.6	441	0

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	377	457	457	1348
	Description	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	ug/L	su	mg/L	lbs/day	lbs/month
Summary Values	Monthly Avg	123	7.309677419	10.761290323	720.64516129	0
	Daily Max	123	7.7	34.4	3672	0
	Daily Min	123	7	4.4	134	0
	Week 1 Avg			7.314285714		
	Week 2 Avg			11.314285714		
	Week 3 Avg			13.828571429		
	Week 4 Avg			10.114285714		
Limit(s) in Effect	Monthly Avg			30	0	
	Daily Max		9	0		
	Daily Min		6	0		
	Weekly Avg			45	0	
QA/QC Information	LOD	11.6				
	LOQ	40				
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750		445005220		

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	1347	388	388	789	87
	Description	WQT Computed Compliance (TSS)	Phosphorus, Total	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total	Cadmium, Total Recoverable
	Units	lbs/day	mg/L	lbs/day	mg/L	ug/L
	Sample Type	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	5/WEEK	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	134	0.18	3.35	0.5	
	2	190	0.21	4.54	0.4	
	3	224	0.19	4.43	0.4	<1.3
	4	145	0.16	4.15	0.3	
	5	269	0.18	5.50	0.2	
	6	199	0.21	6.95		
	7	191	0.16	5.89		
	8	815	0.29	16.88	0.2	
	9	1351	0.29	25.78	0.1	
	10	590	0.37	24.83	0.1	
	11	580	0.13	8.56	0.1	
	12	1350	0.22	21.22	0.2	
	13	642	0.12	8.75		
	14	536	0.11	6.14		
	15	553	0.15	7.98	0.2	
	16	443	0.15	6.65	0.2	
	17	211	0.15	5.28	0.3	
	18	358	0.22	7.30	0.3	
	19	3672	0.19	20.28	0.4	
	20	1457	0.27	25.89		
	21	641	0.15	9.61		
	22	667	0.11	5.91	0.3	
	23	344	0.14	6.33	0.4	
	24	224	0.17	6.80	0.5	
	25	187	0.14	5.96	0.5	
	26	357	0.17	7.98	0.4	
	27	339	0.15	7.07		
	28	2456	0.45	42.51		
	29	2082	0.24	26.02	0.02	
	30	692	0.15	11.79	0.3	
	31	441	0.20	11.61	0.3	

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	1347		388		388		789		87	
	Description	WQT Computed Compliance (TSS)		Phosphorus, Total		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total		Cadmium, Total Recoverable	
	Units	lbs/day		mg/L		lbs/day		mg/L		ug/L	
Summary Values	Monthly Avg	720.64516129		0.194193548		11.675483871		0.287826087		0	
	Daily Max	3672		0.45		42.51		0.5		<1.3	
	Daily Min	134		0.11		3.35		0.02		<1.3	
	Week 1 Avg	193.142857143						0.36			
	Week 2 Avg	837.714285714						0.14			
	Week 3 Avg	1047.857142857						0.28			
	Week 4 Avg	653.428571429						0.42			
Limit(s) in Effect	Monthly Avg	801	0	1	0			10	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					28	0		
QA/QC Information	LOD			0.026				0.034		1.3	
	LOQ			0.113				0.113		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445005220				445005220		405132750	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	133	147	264	315	553
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3	<2.5	6.6	<5.9	6.3	28.0
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
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	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	133		147		264		315		553	
	Description	Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		6.6		0		6.3		28	
	Daily Max	<2.5		6.6		<5.9		6.3		28	
	Daily Min	<2.5		6.6		<5.9		6.3		28	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Min										
	Weekly Avg										
QA/QC Information	LOD	1.3		2.5		5.9		2.6		11.6	
	LOQ	5		10		19.7		10		40	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	101	112
	Description	Effluent Reuse	In-Plant Diversion
	Parameter	671	211
	Description	Flow Unregulated	Flow Rate
	Units	MGD	MGD
	Sample Type	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	DAILY
Sample Results	Day 1	2.825	0
	2	2.689	0
	3	2.452	0
	4	2.418	0
	5	2.419	0
	6	2.419	0
	7	2.257	0
	8	2.045	0
	9	2.748	0
	10	2.838	0
	11	2.733	0
	12	2.420	0
	13	2.419	0
	14	2.419	0
	15	2.418	0
	16	2.336	0
	17	3.027	0
	18	2.969	0
	19	2.447	0
	20	2.607	0
	21	2.705	0
	22	2.791	0
	23	2.785	0
	24	3.027	0
	25	3.124	0
	26	3.123	0
	27	3.107	0
	28	2.848	0
	29	2.291	0
	30	2.316	0
	31	2.642	0

	Sample Point	101	112
	Description	Effluent Reuse	In-Plant Diversion
	Parameter	671	211
	Description	Flow Unregulated	Flow Rate
	Units	MGD	MGD
Summary Values	Monthly Avg	2.634322581	0
	Daily Max	3.124	0
	Daily Min	2.045	0
	Week 1 Avg		
	Week 2 Avg		
	Week 3 Avg		
	Week 4 Avg		
Limit(s) in Effect	Monthly Avg		
	Daily Max		
	Daily Min		
	Weekly Avg		
QA/QC Information	LOD		
	LOQ		
	QC Exceedance	N	N
	Lab Certification		

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

March 30th Influent BOD did not produce a result. Entered <2.
I certify that management practices identified in the approved water quality trading plan as the source of pollutant reduction credits are installed, established and properly maintained.

Laboratory Quality Control Comments

3-18-2020 BOD (GGA) 237 mg/L
3-25-2020 BOD (GGA) 148 mg/L

Submitted by K3vin1 on 04/13/2020 8:16:00 AM