

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: 03/01/2022 - 03/31/2022
 Form Due Date: 04/21/2022
 Permit Number: 0031232

Date Received:	
DOC:	485206
FIN:	6375
FID:	445005220
Region:	Northeast Region
Permit Drafter:	Drafter not set
Reviewer:	Barti Oumarou
Office:	Oshkosh

	Sample Point	001	701	701	701	701
	Description	Effluent	Influent	Influent	Influent	Influent
	Parameter	211	211	66	457	87
	Description	Flow Rate	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable
	Units	MGD	MGD	mg/L	mg/L	ug/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	1.947	4.935	370	240	
	2	2.001	4.650	451	336	<1.3
	3	1.802	4.690	343	296	
	4	2.524	5.111	479	324	
	5	7.703	10.045	251	204	
	6	6.372	8.552	263	148	
	7	3.257	6.263	216	220	
	8	2.681	6.111	255	212	
	9	2.784	5.552	312		
	10	2.012	5.035	303	236	
	11	2.408	5.115	93	252	
	12	1.826	4.445	347	180	
	13	1.846	4.643	337	272	
	14	2.059	4.865	306	268	
	15	1.736	4.679	298	252	
	16	2.454	5.391	377	236	
	17	2.732	5.522	267	268	
	18	5.192	7.537	375	200	
	19	7.570	10.170	186	188	
	20	6.578	8.459	203	148	
	21	4.579	7.444	214	200	
	22	7.640	10.358	201	220	
	23	12.678	15.433	129	116	
	24	7.834	10.796	155	164	
	25	6.986	9.512	182	52	
	26	5.890	8.500	154	108	
	27	5.569	8.383	255	124	
	28	4.683	7.525	269	164	
	29	4.866	7.860	213	224	
	30	10.519	13.392	128	128	
	31	12.560	15.211	<100	104	

	Sample Point	001	701	701	701	701
	Description	Effluent	Influent	Influent	Influent	Influent
	Parameter	211	211	66	457	87
	Description	Flow Rate	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable
Units	MGD	MGD	mg/L	mg/L	ug/L	
Summary Values	Monthly Avg	4.880258065	7.61883871	255.870967742	202.8	0
	Daily Max	12.678	15.433	479	336	<1.3
	Daily Min	1.736	4.445	93	52	<1.3
	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
	LOQ					5
	QC Exceedance	N	N	N	N	N
	Lab Certification			445005220	445005220	405132750

	Sample Point	701	701	001	701	701
	Description	Influent	Influent	Effluent	Influent	Influent
	Parameter	133	147	66	264	315
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	BOD5, Total	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	ug/L	ug/L	mg/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	5/WEEK	MONTHLY	MONTHLY
Sample Results	Day 1			11		
	2	15.0	89.5	15	<5.9	9.6
	3			11		
	4			17		
	5			>22.3		
	6			36		
	7			23		
	8			7		
	9			8		
	10			9		
	11			16		
	12			10		
	13			12		
	14			10		
	15			10		
	16			11		
	17			10		
	18			11		
	19			11		
	20			15		
	21			17		
	22			12		
	23			31		
	24			13		
	25			10		
	26			9		
	27			14		
	28			16		
	29			9		
	30			19		
	31			42		

	Sample Point	701		001		701		701			
	Description	Influent		Influent		Effluent		Influent			
	Parameter	133		147		66		315			
	Description	Chromium, Total Recoverable		Copper, Total Recoverable		BOD5, Total		Lead, Total Recoverable		Nickel, Total Recoverable	
	Units	ug/L		ug/L		mg/L		ug/L		ug/L	
Summary Values	Monthly Avg	15		89.5		>15.074193548		0		9.6	
	Daily Max	15		89.5		42		<5.9		9.6	
	Daily Min	15		89.5		7		<5.9		9.6	
	Week 1 Avg					>19.328571429					
	Week 2 Avg					10.285714286					
	Week 3 Avg					12.142857143					
	Week 4 Avg					15					
Limit(s) in Effect	Monthly Avg					30	0				
	Daily Max										
	Daily Min										
	Weekly Avg					45	0				
QA/QC Information	LOD	2.5		3.4				5.9		2.6	
	LOQ	10		10				20		10	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		445005220		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		7.1	11.2	182	
	2	171	7.0	14.0	234	
	3		6.9	14.8	222	
	4		6.9	17.2	362	
	5		7.0	73.0	4690	
	6		6.8	43.0	2285	
	7		7.0	31.6	858	
	8		7.0	14.0	313	
	9		7.0			
	10		7.0	12.0	201	
	11		7.0	18.0	361	
	12		7.2	12.4	189	
	13		7.2	10.8	166	
	14		7.0	12.8	220	
	15		7.0	13.6	197	
	16		6.9	11.2	229	
	17		7.0	11.6	264	
	18		7.0	18.0	779	
	19		7.3	16.8	1061	
	20		7.3	20.8	1141	
	21		6.8	20.8	794	
	22		7.0	14.8	943	
	23		6.7	46.0	4864	
	24		6.9	16.8	1098	
	25		7.0	10.4	606	
	26		6.9	7.2	354	
	27		6.9	16.4	762	
	28		7.0	19.2	750	
	29		7.0	10.0	406	
	30		7.0	22.8	2000	
	31		6.9	68.0	7123	321

	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	171	6.990322581	20.973333333	1121.8	321
	Daily Max	171	7.3	73	7123	321
	Daily Min	171	6.7	7.2	166	321
	Week 1 Avg			29.257142857		
	Week 2 Avg			13.333333333		
	Week 3 Avg			16.114285714		
	Week 4 Avg			18.685714286		
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	182	0.30	4.87	1.1	
	2	234	0.38	6.34	1.0	<1.3
	3	222	0.29	4.36	0.6	
	4	362	0.30	6.32		
	5	4690	0.62	39.83		
	6	2285	0.90	47.83	0.7	
	7	858	0.51	13.85	0.5	
	8	313	0.34	7.60	0.2	
	9		0.18	4.18	0.2	
	10	201	0.24	4.03	0.2	
	11	361	0.41	8.23		
	12	189	0.26	3.96		
	13	166	0.31	4.77	0.6	
	14	220	0.32	5.50	0.4	
	15	197	0.26	3.76	0.4	
	16	229	0.30	6.14	0.6	
	17	264	0.25	5.70	0.5	
	18	779	0.31	13.42		
	19	1061	0.49	30.94		
	20	1141	0.41	22.49	0.3	
	21	794	0.40	15.28	0.3	
	22	943	0.25	15.93	0.4	
	23	4864	0.69	72.96	0.5	
	24	1098	0.31	20.25	0.2	
	25	606	0.19	11.07		
	26	354	0.14	6.88		
	27	762	0.32	14.86	0.4	
	28	750	0.35	13.67	0.6	
	29	406	0.22	8.93	0.7	
	30	2000	0.41	35.97	0.7	
	31	7123	0.90	94.28	0.2	

	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	1121.8		0.372903226		17.877419355		0.491304348		0	
	Daily Max	7123		0.9		94.28		1.1		<1.3	
	Daily Min	166		0.14		3.76		0.2		<1.3	
	Week 1 Avg	1261.857142857						0.78			
	Week 2 Avg	241.666666667						0.32			
	Week 3 Avg	637.857142857						0.42			
	Week 4 Avg	1339.571428571						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				0.027		1.3	
	LOQ			0.087				0.09		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	3.4	8.7	<5.9	9.0	23.9
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	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	3.4		8.7		0		9		23.9	
	Daily Max	3.4		8.7		<5.9		9		23.9	
	Daily Min	3.4		8.7		<5.9		9		23.9	
	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		3.4		5.9		2.6		11.6	
	LOQ	5		10		20		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	2.988	0
	2	2.649	0
	3	2.888	0
	4	2.587	0
	5	2.342	0
	6	2.180	0
	7	3.006	0
	8	3.430	0
	9	2.768	0
	10	3.023	0
	11	2.707	0
	12	2.619	0
	13	2.797	0
	14	2.806	0
	15	2.943	0
	16	2.937	0
	17	2.790	0
	18	2.345	0
	19	2.600	0
	20	1.881	0
	21	2.865	0
	22	2.718	0
	23	2.755	0
	24	2.962	0
	25	2.526	0
	26	2.610	0
	27	2.814	0
	28	2.842	0
	29	2.994	0
	30	2.873	0
	31	2.651	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	2.738580645	0
	Daily Max	3.43	0
	Daily Min	1.881	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

There are 2298 available Water Quality trading credits for 2022, the plant used 321 credits this month leaving 1977 available credits.

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

Suspended Solids were not set up on the March 9th for the Influent Sample and Effluent Sample.

Submitted by K3vin1 on 04/21/2022 11:53:55 AM