

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: 02/01/2022 - 02/28/2022
 Form Due Date: 03/21/2022
 Permit Number: 0031232

Date Received:
 DOC: 485205
 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	2.723	4.623	377	240	
	2	3.169	4.835	389	252	<1.3
	3	3.529	4.602	373	268	
	4	3.454	4.670	362	212	
	5	3.122	4.418	417	248	
	6	2.862	4.682	339	252	
	7	1.329	4.683	359	260	
	8	2.070	4.751	346	380	
	9	1.609	4.394	386	292	
	10	1.739	4.493	394	276	
	11	1.746	4.580	398	304	
	12	1.896	4.398	416	256	
	13	1.689	4.789	387	280	
	14	1.467	4.540	468	256	
	15	1.928	4.490	386	308	
	16	2.005	4.627	353	260	
	17	1.339	4.513	413	292	
	18	1.955	4.508	434	276	
	19	1.881	4.397	296	180	
	20	3.419	5.120	339	340	
	21	3.114	4.772	307	276	
	22	3.982	4.588	344	280	
	23	1.675	4.637	299	256	
	24	1.681	4.473	384	252	
	25	1.768	4.562	311	252	
	26	1.766	4.522	507	196	
	27	2.172	4.751	391	284	
	28	2.066	4.894	323	240	
	29					
	30					
	31					

	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	2.255535714	4.618285714	374.928571429	266.714285714	0
	Daily Max	3.982	5.12	507	380	<1.3
	Daily Min	1.329	4.394	296	180	<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	Y	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			13		
	2	19.1	92.8	14	<5.9	10.8
	3			13		
	4			10		
	5			8		
	6			11		
	7			13		
	8			12		
	9			9		
	10			9		
	11			12		
	12			12		
	13			12		
	14			15		
	15			10		
	16			11		
	17			16		
	18			12		
	19			11		
	20			12		
	21			10		
	22			10		
	23			10		
	24			10		
	25			7		
	26			8		
	27			13		
	28			14		
	29					
	30					
	31					

	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
Summary Values	Monthly Avg	19.1	92.8	11.321428571	0	10.8
	Daily Max	19.1	92.8	16	<5.9	10.8
	Daily Min	19.1	92.8	7	<5.9	10.8
	Week 1 Avg			11.714285714		
	Week 2 Avg			11.571428571		
	Week 3 Avg			11.714285714		
	Week 4 Avg			10.285714286		
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		6.9	14.0	318	0
	2	191	7.0	14.4	381	0
	3		7.0	14.4	424	0
	4		6.9	14.4	415	0
	5		7.2	13.2	344	0
	6		7.3	12.8	306	0
	7		7.0	14.4	160	0
	8		6.9	10.8	186	0
	9		7.0	10.0	134	0
	10		7.0	9.6	139	0
	11		6.9	12.0	175	0
	12		6.9	11.6	183	0
	13		7.0	12.4	175	0
	14		7.0	17.6	215	0
	15		7.0	14.8	238	0
	16		7.0	10.8	181	0
	17		7.2	18.8	210	0
	18		7.1	16.4	267	0
	19		7.4	12.0	188	0
	20		6.9	12.4	354	0
	21		6.9	13.2	343	0
	22		6.9	12.0	399	0
	23		6.9	12.8	179	0
	24		6.9	11.2	157	0
	25		6.8	10.0	147	0
	26		7.2	13.2	194	0
	27		7.3	16.0	290	0
	28		7.0	16.0	276	0
	29					
	30					
	31					

	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	191	7.017857143	13.257142857	249.214285714	0
	Daily Max	191	7.4	18.8	424	0
	Daily Min	191	6.8	9.6	134	0
	Week 1 Avg			13.942857143		
	Week 2 Avg			12		
	Week 3 Avg			14.057142857		
	Week 4 Avg			13.028571429		
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	318	0.30	6.81	0.6	
	2	381	0.48	12.69	0.3	<1.3
	3	424	0.34	10.01	0.3	
	4	415	0.30	8.64		
	5	344	0.27	7.03		
	6	306	0.32	7.64	0.3	
	7	160	0.31	3.44	0.8	
	8	186	0.38	6.56	0.6	
	9	134	0.30	4.03	0.5	
	10	139	0.30	4.35	0.3	
	11	175	0.43	6.26		
	12	183	0.27	4.27		
	13	175	0.33	4.65	0.4	
	14	215	0.38	4.65	0.5	
	15	238	0.49	7.88	0.4	
	16	181	0.30	5.02	0.4	
	17	210	0.41	4.58	0.5	
	18	267	0.33	5.38		
	19	188	0.29	4.55		
	20	354	0.34	9.69	0.6	
	21	343	0.32	8.31	0.5	
	22	399	0.41	13.62	0.6	
	23	179	0.33	4.61	0.4	
	24	157	0.32	4.49	0.5	
	25	147	0.21	3.10		
	26	194	0.24	3.53		
	27	290	0.29	5.25	0.8	
	28	276	0.37	6.38	0.7	
	29					
	30					
	31					

	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	249.214285714		0.334285714		6.336428571		0.5		0	
	Daily Max	424		0.49		13.62		0.8		<1.3	
	Daily Min	134		0.21		3.1		0.3		<1.3	
	Week 1 Avg	335.428571429						0.46			
	Week 2 Avg	172.428571429						0.46			
	Week 3 Avg	254.428571429						0.48			
	Week 4 Avg	234.571428571						0.6			
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	<2.5	10.4	<5.9	7.7	21.5
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	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	10.4	0	7.7	21.5
	Daily Max	<2.5	10.4	<5.9	7.7	21.5
	Daily Min	<2.5	10.4	<5.9	7.7	21.5
	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	2.5	3.4	5.9	2.6	11.6
	LOQ	10	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	1.900	0
	2	1.666	0
	3	1.073	0
	4	1.216	0
	5	1.296	0
	6	1.820	0
	7	3.354	0
	8	2.681	0
	9	2.785	0
	10	2.754	0
	11	2.834	0
	12	2.502	0
	13	3.100	0
	14	3.073	0
	15	2.562	0
	16	2.622	0
	17	3.174	0
	18	2.553	0
	19	2.516	0
	20	1.701	0
	21	1.658	0
	22	0.606	0
	23	2.962	0
	24	2.792	0
	25	2.794	0
	26	2.756	0
	27	2.579	0
	28	2.828	0
	29		
	30		
	31		

	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	2.36275	0
	Daily Max	3.354	0
	Daily Min	0.606	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

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

2-3 Blank of (0.31 mg/L), 2-15 Blank of (0.33 mg/L) both exceed 0.24

Submitted by K3vin1 on 03/09/2022 8:07:49 AM