

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: 01/01/2023 - 01/31/2023
 Form Due Date: 02/21/2023
 Permit Number: 0031232

Date Received:
 DOC: 509088
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Sarah J Adkins
 Reviewer: Barti Oumarou
 Office: Oshkosh

	Sample Point	701	001	701	701	701
	Description	Influent	Effluent	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	6.850	4.135	210	168	
	2	6.684	3.866	239	180	
	3	7.010	4.214	200	176	
	4	7.955	5.156	242	164	<1.3
	5	8.092	5.297	254	148	
	6	7.741	4.738	320	184	
	7	7.140	4.550	238	176	
	8	7.135	4.309	248	180	
	9	6.666	3.939	208	232	
	10	6.402	3.572	276	236	
	11	6.412	3.491	286	204	
	12	6.313	3.706	226	224	
	13	6.100	3.267	241	188	
	14	5.852	2.747	216	164	
	15	5.861	3.217	293	180	
	16	6.880	4.626	249	192	
	17	7.265	4.480	286	184	
	18	7.001	4.243	238	220	
	19	7.222	4.421	246	164	
	20	7.127	4.299	242	152	
	21	6.682	3.854	273	144	
	22	6.685	3.746	186	220	
	23	6.139	3.193	236	176	
	24	5.884	2.938	254	200	
	25	5.706	2.987	250	220	
	26	5.591	2.818	277	184	
	27	5.496	2.811	253	196	
	28	5.099	2.942	212	120	
	29	5.128	2.949	242	188	
	30	4.938	2.608	292	212	
	31	5.032	2.773	274	216	

	Sample Point	701	001	701	701	701
	Description	Influent	Effluent	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	6.454451613	3.738451613	248.612903226	186.838709677	0
	Daily Max	8.092	5.297	320	236	<1.3
	Daily Min	4.938	2.608	186	120	<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	701	001	701
	Description	Influent	Influent	Influent	Effluent	Influent
	Parameter	133	147	264	66	315
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	BOD5, Total	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	mg/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	5/WEEK	MONTHLY
Sample Results	Day 1				7	
	2				8	
	3				8	
	4	8.6	53.5	<5.9	8	4.5
	5				7	
	6				7	
	7				7	
	8				8	
	9				8	
	10				7	
	11				8	
	12				9	
	13				7	
	14				8	
	15				9	
	16				12	
	17				10	
	18				9	
	19				9	
	20				7	
	21				7	
	22				8	
	23				7	
	24				6	
	25				8	
	26				10	
	27				8	
	28				8	
	29				9	
	30				8	
	31				7	

	Sample Point	701	701	701	001	701
	Description	Influent	Influent	Influent	Effluent	Influent
	Parameter	133	147	264	66	315
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	BOD5, Total	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	mg/L	ug/L
Summary Values	Monthly Avg	8.6	53.5	0	8.032258065	4.5
	Daily Max	8.6	53.5	<5.9	12	4.5
	Daily Min	8.6	53.5	<5.9	6	4.5
	Week 1 Avg				7.428571429	
	Week 2 Avg				7.857142857	
	Week 3 Avg				9	
	Week 4 Avg				7.857142857	
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	405132750	445005220	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		7.7	7.2	248	0
	2		7.4	8.0	258	0
	3		7.4	8.4	295	0
	4	122	7.3	10.4	447	0
	5		7.4	11.6	512	0
	6		7.3	8.4	332	0
	7		7.4	6.8	258	0
	8		7.3	6.0	216	0
	9		7.3	10.4	342	0
	10		7.5	9.2	274	0
	11		7.4	10.4	303	0
	12		7.6	8.0	247	0
	13		7.3	4.8	131	0
	14		7.4	4.4	101	0
	15		7.4	6.0	161	0
	16		7.5	7.6	293	0
	17		7.4	8.4	314	0
	18		7.5	6.8	241	0
	19		7.3	8.4	310	0
	20		7.4	6.0	215	0
	21		7.3	9.2	296	0
	22		7.3	9.6	300	0
	23		7.3	7.6	202	0
	24		7.3	7.6	186	0
	25		7.3	6.8	169	0
	26		7.3	9.2	216	0
	27		7.3	8.0	188	0
	28		7.1	6.4	157	0
	29		7.3	7.6	187	0
	30		7.4	10.0	218	0
	31		7.4	7.6	176	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	122	7.370967742	7.961290323	251.387096774	0
	Daily Max	122	7.7	11.6	512	0
	Daily Min	122	7.1	4.4	101	0
	Week 1 Avg			8.685714286		
	Week 2 Avg			7.6		
	Week 3 Avg			7.485714286		
	Week 4 Avg			7.885714286		
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	248	0.22	7.59	0.3	
	2	258	0.20	6.45	0.5	
	3	295	0.23	8.08	0.4	
	4	447	0.25	10.75	0.5	<1.3
	5	512	0.21	9.28	0.4	
	6	332	0.21	8.30		
	7	258	0.23	8.73		
	8	216	0.24	8.62	0.6	
	9	342	0.28	9.20	0.4	
	10	274	0.23	6.85	0.4	
	11	303	0.19	5.53	0.3	
	12	247	0.21	6.49	0.3	
	13	131	0.20	5.45		
	14	101	0.21	4.81		
	15	161	0.23	6.17	0.4	
	16	293	0.28	10.80	2.2	
	17	314	0.21	7.85	0.7	
	18	241	0.20	7.08	0.4	
	19	310	0.21	7.74	0.3	
	20	215	0.21	7.53		
	21	296	0.21	6.75		
	22	300	0.28	8.75	0.2	
	23	202	0.20	5.33	0.3	
	24	186	0.19	4.66	0.2	
	25	169	0.24	5.98	0.3	
	26	216	0.26	6.11	0.5	
	27	188	0.23	5.39		
	28	157	0.25	6.13		
	29	187	0.24	5.90	0.2	
	30	218	0.25	5.44	0.2	
	31	176	0.25	5.78		

	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	251.387096774		0.227419355		7.081290323		0.454545455		0	
	Daily Max	512		0.28		10.8		2.2		<1.3	
	Daily Min	101		0.19		4.66		0.2		<1.3	
	Week 1 Avg	335.714285714						0.42			
	Week 2 Avg	230.571428571						0.4			
	Week 3 Avg	261.428571429						0.8			
	Week 4 Avg	202.571428571						0.3			
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	<2.5	5.4	<5.9	4.0	19.1
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	26					
	27					
	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		5.4		0		4		19.1	
	Daily Max	<2.5		5.4		<5.9		4		19.1	
	Daily Min	<2.5		5.4		<5.9		4		19.1	
	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	2.715	
	2	2.818	
	3	2.796	
	4	2.799	
	5	2.795	
	6	3.003	
	7	2.590	
	8	2.826	
	9	2.727	
	10	2.830	
	11	2.921	
	12	2.607	
	13	2.833	
	14	3.105	
	15		
	16		
	17		
	18		
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	21		
	22		
	23		
	24		
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	26		
	27		
	28		
	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	2.811785714	
	Daily Max	3.105	
	Daily Min	2.59	
	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

None

Submitted by K3vin1 on 02/20/2023 8:35:32 AM