

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: 04/01/2022 - 04/30/2022
 Form Due Date: 05/21/2022
 Permit Number: 0031232

Date Received:
 DOC: 493648
 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	8.429	11.340	151	240	
	2	7.839	10.690	139	100	
	3	7.823	10.328	142	96	
	4	8.448	11.534	113	88	
	5	8.610	11.431	137	160	
	6	11.982	14.526	108	92	<1.3
	7	8.765	11.129	162	96	
	8	7.205	10.058	218	112	
	9	6.251	9.186	220	112	
	10	6.398	8.957	156	140	
	11	5.190	8.085	178	188	
	12	5.806	8.467	202	208	
	13	5.590	8.853	172	152	
	14	6.691	9.236	146	128	
	15	5.979	8.734	221	140	
	16	5.629	8.498	180	76	
	17	6.458	8.532	138	140	
	18	4.656	8.136	181	172	
	19	5.236	8.226	234	164	
	20	5.503	8.468	202	144	
	21	5.587	8.671	207	200	
	22	6.167	8.816	292	152	
	23	6.152	8.874	160	120	
	24	5.981	8.338	164	140	
	25	5.127	7.662	198	144	
	26	4.575	7.339	191	168	
	27	4.742	7.113	219	188	
	28	4.053	7.136	205	232	
	29	4.478	7.113	273	132	
	30	3.959	6.818	224	180	
	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	6.3103	9.076466667	184.433333333	146.8	0
	Daily Max	11.982	14.526	292	240	<1.3
	Daily Min	3.959	6.818	108	76	<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			12		
	2			10		
	3			11		
	4			11		
	5			11		
	6	4.2	45.3	18	9.9	6.6
	7			9		
	8			8		
	9			7		
	10			8		
	11			8		
	12			8		
	13			14		
	14			10		
	15			13		
	16			16		
	17			15		
	18			16		
	19			10		
	20			16		
	21			19		
	22			10		
	23			8		
	24			9		
	25			7		
	26			8		
	27			7		
	28			8		
	29			13		
	30			11		
	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	4.2	45.3	11.033333333	9.9	6.6
	Daily Max	4.2	45.3	19	9.9	6.6
	Daily Min	4.2	45.3	7	9.9	6.6
	Week 1 Avg			11.714285714		
	Week 2 Avg			9		
	Week 3 Avg			15		
	Week 4 Avg			8.142857143		
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		7.2	19.2	1350	0
	2		7.3	12.4	811	0
	3		7.3	12.8	835	0
	4		7	14.4	1015	0
	5		7	13.2	948	0
	6	95.8	7.2	24.0	2398	0
	7		6.9	8.8	643	0
	8		7.0	8.0	481	0
	9		7.2	8.4	438	0
	10		7.2	8.8	470	0
	11		6.9	8.0	346	0
	12		6.9	8.0	387	0
	13		7.0	11.2	522	0
	14		6.9	10.4	580	0
	15		6.9	12.0	598	0
	16		6.9	14.0	657	0
	17		6.9	12.0	646	0
	18		7.0	16.0	621	0
	19		6.9	16.8	734	0
	20		7.0	14.0	643	0
	21		6.8	20.4	951	0
	22		7.7	7.6	391	0
	23		7.2	4.4	226	0
	24		7.3	6.0	299	0
	25		7.1	7.6	325	0
	26		7.0	8.0	305	0
	27		7.1	3.6	142	0
	28		7.1	6.4	216	0
	29		7.2	15.6	583	0
	30		7.2	9.6	317	0
	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	95.8	7.076666667	11.386666667	629.266666667	0
	Daily Max	95.8	7.7	24	2398	0
	Daily Min	95.8	6.8	3.6	142	0
	Week 1 Avg			14.971428571		
	Week 2 Avg			8.971428571		
	Week 3 Avg			15.028571429		
	Week 4 Avg			6.228571429		
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	1350	0.33	23.20		
	2	811	0.24	15.69		
	3	835	0.26	16.96	0.5	
	4	1015	0.19	13.39	0.5	
	5	948	0.20	14.36	0.5	
	6	2398	0.52	51.96	0.3	<1.3
	7	643	0.15	10.97	0.8	
	8	481	0.15	9.01		
	9	438	0.13	6.78		
	10	470	0.19	10.14	0.4	
	11	346	0.12	5.19	0.6	
	12	387	0.18	8.72	1.2	
	13	522	0.23	10.72	1.2	
	14	580	0.19	10.60	0.6	
	15	598	0.22	10.97		
	16	657	0.27	12.68		
	17	646	0.23	12.39	1.1	
	18	621	0.27	10.48	1.0	
	19	734	0.26	11.35	0.6	
	20	643	0.21	9.64	2.3	
	21	951	0.31	14.44	1.8	
	22	391	0.18	9.26		
	23	226	0.14	7.18		
	24	299	0.17	8.48	0.7	
	25	325	0.14	5.99	0.3	
	26	305	0.15	5.72	0.6	
	27	142	0.09	3.56	0.8	
	28	216	0.16	5.41	0.9	
	29	583	0.29	10.83		
	30	317	0.21	6.93		
	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	629.266666667		0.212666667		11.766666667		0.835		0	
	Daily Max	2398		0.52		51.96		2.3		<1.3	
	Daily Min	142		0.09		3.56		0.3		<1.3	
	Week 1 Avg	1142.857142857						0.52			
	Week 2 Avg	460.571428571						0.8			
	Week 3 Avg	692.857142857						1.36			
	Week 4 Avg	272						0.66			
Limit(s) in Effect	Monthly Avg	801	0	1	0			11	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					29	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					
	5					
	6	<2.5	5.2	<5.9	5.6	13.9
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	22					
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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	5.2	0	5.6	13.9
	Daily Max	<2.5	5.2	<5.9	5.6	13.9
	Daily Min	<2.5	5.2	<5.9	5.6	13.9
	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	2.911	0
	2	2.851	0
	3	2.505	0
	4	3.086	0
	5	2.821	0
	6	2.544	0
	7	2.364	0
	8	2.853	0
	9	2.935	0
	10	2.559	0
	11	2.895	0
	12	2.661	0
	13	3.263	0
	14	2.545	0
	15	2.755	0
	16	2.869	0
	17	2.074	0
	18	3.480	0
	19	2.990	0
	20	2.965	0
	21	3.084	0
	22	2.649	0
	23	2.722	0
	24	2.357	0
	25	2.535	0
	26	2.764	0
	27	2.371	0
	28	3.083	0
	29	2.635	0
	30	2.859	0
	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	2.766166667	0
	Daily Max	3.48	0
	Daily Min	2.074	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

4-9-22 BOD Blank Depleted 0.32 mg/l. (Exceeds 0.24mg/L)

Submitted by K3vin1 on 05/12/2022 9:57:39 AM