

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: 04/01/2024 - 04/30/2024
 Form Due Date: 05/21/2024
 Permit Number: 0031232

Date Received:
 DOC: 545489
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Sarah J Adkins
 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	4.180	7.047	221	188	
	2	4.409	6.909	142	184	
	3	5.477	8.115	128	120	<1.3
	4	11.305	14.322	117	84	
	5	14.033	17.049	100	84	
	6	12.708	15.714	108	72	
	7	10.342	12.852	105	112	
	8	8.071	11.007	168	96	
	9	7.106	9.627	124	172	
	10	5.445	8.764	142	144	
	11	5.560	8.299	186	184	
	12	4.700	7.955	184	144	
	13	5.039	7.691	100	152	
	14	4.767	7.222	199	168	
	15	4.290	7.420	220	184	
	16	3.453	7.168	215	180	
	17	4.034	6.867	210	212	
	18	4.889	7.491	204	196	
	19	4.658	7.250	198	228	
	20	5.800	6.963	216	208	
	21	5.707	6.603	270	220	
	22	6.609	6.609	214	176	
	23	6.550	6.550	220	148	
	24	6.382	6.382	209	168	
	25	6.189	6.189	206	192	
	26	6.161	6.161	296	212	
	27	5.601	6.119	246	168	
	28	6.050	6.845	170	172	
	29	5.098	7.728	222	160	
	30	4.910	7.485	200	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	6.317433333	8.413433333	184.666666667	163.6	0
	Daily Max	14.033	17.049	296	228	<1.3
	Daily Min	3.453	6.119	100	72	<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	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				4	
	2				4	
	3	7.2	39.7	<5.9	9	8.0
	4				9	
	5				5	
	6				3	
	7				4	
	8				3	
	9				4	
	10				4	
	11				4	
	12				4	
	13				4	
	14				4	
	15				5	
	16				4	
	17				6	
	18				5	
	19				4	
	20				6	
	21				7	
	22				7	
	23				7	
	24				6	
	25				7	
	26				6	
	27				6	
	28				7	
	29				7	
	30				6	
	31					

	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	7.2		39.7		0		5.366666667		8	
	Daily Max	7.2		39.7		<5.9		9		8	
	Daily Min	7.2		39.7		<5.9		3		8	
	Week 1 Avg							5.428571429			
	Week 2 Avg							3.857142857			
	Week 3 Avg							5.285714286			
	Week 4 Avg							6.571428571			
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		7.2	5.6	195	0
	2		7.2	5.2	191	0
	3	86.0	7.2	12.0	548	0
	4		7.2	19.6	1848	0
	5		7.2	8.8	1030	0
	6		7.2	3.6	382	0
	7		7.2	4.4	380	0
	8		7.3	4.0	269	0
	9		7.3	3.6	213	0
	10		7.3	4.4	200	0
	11		7.3	4.4	204	0
	12		7.3	4.4	172	0
	13		7.3	4.8	202	0
	14		7.2	3.2	127	0
	15		7.3	4.4	157	0
	16		7.3	6.8	196	0
	17		7.3	8.0	269	0
	18		7.3	6.4	261	0
	19		7.2	5.6	218	0
	20		7.3	7.2	348	0
	21		7.3	10.4	495	0
	22		7.2	8.0	441	0
	23		7.3	7.2	393	0
	24		7.3	7.2	383	0
	25		7.2	10.4	537	0
	26		7.3	6.8	349	0
	27		7.0	7.2	336	0
	28		7.0	8.8	444	0
	29		7.1	7.6	323	0
	30		7.2	8.0	328	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	86	7.233333333	6.933333333	381.3	0
	Daily Max	86	7.3	19.6	1848	0
	Daily Min	86	7	3.2	127	0
	Week 1 Avg			8.457142857		
	Week 2 Avg			4.114285714		
	Week 3 Avg			6.971428571		
	Week 4 Avg			7.942857143		
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	195	0.19	6.62	0.1	
	2	191	0.21	7.72	0.2	
	3	548	0.28	12.79	0.2	<1.3
	4	1848	0.31	29.23	0.2	
	5	1030	0.22	25.75		
	6	382	0.14	14.84		
	7	380	0.11	9.49	0.1	
	8	269	0.11	7.40	0.1	
	9	213	0.14	8.30	0.1	
	10	200	0.13	5.90	0.2	
	11	204	0.15	6.96	0.2	
	12	172	0.18	7.06		
	13	202	0.20	8.41		
	14	127	0.18	7.16	0.2	
	15	157	0.17	6.08	0.2	
	16	196	0.22	6.34	0.2	
	17	269	0.25	8.41	0.4	
	18	261	0.22	8.97	0.2	
	19	218	0.26	10.10		
	20	348	0.30	14.51		
	21	495	0.31	14.75	0.2	
	22	441	0.31	17.09	0.2	
	23	393	0.32	17.48	0.3	
	24	383	0.41	21.82	0.3	
	25	537	0.36	18.58	0.3	
	26	349	0.36	18.50		
	27	336	0.37	17.28		
	28	444	0.36	18.16	0.3	
	29	323	0.33	14.03	0.2	
	30	328	0.35	14.33	0.2	
	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	381.3		0.248333333		12.802		0.209090909		0	
	Daily Max	1848		0.41		29.23		0.4		<1.3	
	Daily Min	127		0.11		5.9		0.1		<1.3	
	Week 1 Avg	653.428571429						0.16			
	Week 2 Avg	198.142857143						0.16			
	Week 3 Avg	277.714285714						0.24			
	Week 4 Avg	411.857142857						0.28			
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	<2.5	5.4	<5.9	7.6	14.6
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	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	7.6	14.6
	Daily Max	<2.5	5.4	<5.9	7.6	14.6
	Daily Min	<2.5	5.4	<5.9	7.6	14.6
	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	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	2.867	
	2	2.500	
	3	2.638	
	4	3.017	
	5	3.016	
	6	3.006	
	7	2.510	
	8	2.936	
	9	2.521	
	10	3.319	
	11	2.739	
	12	3.255	
	13	2.652	
	14	2.455	
	15	3.130	
	16	3.715	
	17	2.833	
	18	2.602	
	19	2.592	
	20	1.163	
	21	0.896	
	22	0	
	23	0	
	24	0	
	25	0	
	26	0	
	27	0.518	
	28	0.795	
	29	2.630	
	30	2.575	
	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	2.096	
	Daily Max	3.715	
	Daily Min	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	
	Lab Certification		

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

General Remarks

Laboratory Quality Control Comments

4-4-24 GGA of 145.5
4-18-24 GGA of 164.4
4-24-24 BOD Blank of 1.05
4-26-24 BOS Blank of 0.89

Submitted by mantywwtfsupt2004 on 05/15/2024 11:06:12 AM