

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 Helminger, District Director
Phone Number: 920-766-5731
Reporting Period: 01/01/2025 - 01/31/2025
Form Due Date: 02/21/2025
Permit Number: 0031232

Date Received:	
DOC:	562661
FIN:	6375
FID:	445005220
Region:	Northeast Region
Permit Drafter:	Amy M Garbe
Reviewer:	Barti Oumarou
Office:	Oshkosh

Sample Point(s) active?

Yes - 701 sample point (Influent)
Yes - 001 sample point (Effluent)
Yes - 101 sample point (Effluent Reuse)
No - 112 sample point (In-Plant Diversion)

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	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	4.435	6.739	198	200	
	2	3.784	6.550	226	176	
	3	3.874	6.450	226	192	
	4	4.060	6.410	260	204	
	5	3.844	6.464	246	172	
	6	3.708	6.313	234	236	
	7	3.513	5.927	213	176	<0.3
	8	3.144	5.773	223	208	
	9	3.299	5.891	267	220	
	10	2.839	5.586	284	200	
	11	2.821	5.624	220	220	
	12	2.879	5.600	264	232	
	13	2.927	5.530	218	188	
	14	2.829	5.453	268	224	
	15	2.725	5.347	242	208	
	16	3.174	5.435	218	200	
	17	3.064	5.424	261	244	
	18	3.207	5.234	224	172	
	19	2.899	5.332	294	224	
	20	3.115	5.345	230	280	
	21	2.882	5.254	251	228	
	22	3.065	5.306	236	204	
	23	2.972	5.304	274	312	
	24	2.380	5.455	296	276	
	25	3.535	5.363	285	192	
	26	3.391	5.452	260	224	
	27	3.264	5.317	232	276	
	28	3.165	5.299	259	236	
	29	2.226	5.115	247	212	
	30	2.261	5.229	274	272	
	31	2.190	5.177	270	288	

	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	3.144225806		5.635419355		248.387096774		222.451612903		0	
	Daily Max	4.435		6.739		296		312		<0.3	
	Daily Min	2.19		5.115		198		172		<0.3	
	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									0.3	
	LOQ									1	
	QC Exceedance	N		N		N		N		N	
	Lab Certification					445005220		445005220		445023150	

	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				4.6	
	2				3.8	
	3				4.3	
	4				5.6	
	5				4.8	
	6				4.1	
	7	2.8	72	9.1	4.2	8.9
	8				7.4	
	9				8.7	
	10				14.5	
	11				12.6	
	12				12.7	
	13				12.1	
	14				11.8	
	15				12.5	
	16				11.3	
	17				9.9	
	18				9.3	
	19				9.0	
	20				8.8	
	21				7.0	
	22				8.0	
	23				7.4	
	24				6.9	
	25				7.1	
	26				7.1	
	27				6.6	
	28				5.6	
	29				4.8	
	30				5.4	
	31				4.3	

	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	2.8		72		9.1		7.812903226		8.9	
	Daily Max	2.8		72		9.1		14.5		8.9	
	Daily Min	2.8		72		9.1		3.8		8.9	
	Week 1 Avg							4.485714286			
	Week 2 Avg							11.4			
	Week 3 Avg							9.685714286			
	Week 4 Avg							6.957142857			
Limit(s) in Effect	Monthly Avg							30	0		
	Daily Max										
	Daily Min										
	Weekly Avg							45	0		
QA/QC Information	LOD	1.3		0.8		3.5				1.3	
	LOQ	4.3		2.7		12				4.3	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445023150		445023150		445005220		445023150	

	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		7.4	5.4	200	0
	2		7.8	7.2	227	0
	3		7.8	5.2	168	0
	4		7.6	5.2	176	0
	5		7.5	4.4	141	0
	6		7.7	3.4	105	0
	7	136	7.8	3.4	100	0
	8		7.7	2.4	63	0
	9		7.9	2.8	77	0
	10		7.8	6.2	147	0
	11		7.3	2.6	61	0
	12		7.3	3.8	91	0
	13		7.7	5.0	122	0
	14		7.6	5.2	123	0
	15		7.7	6.6	150	0
	16		7.7	4.6	122	0
	17		7.7	4.6	118	0
	18		7.6	4.2	112	0
	19		7.7	5.0	121	0
	20		7.6	6.0	156	0
	21		7.6	4.6	111	0
	22		7.5	5.2	133	0
	23		7.7	7.4	183	0
	24		7.7	7.6	151	0
	25		7.4	7.0	206	0
	26		7.4	7.0	198	0
	27		7.8	5.4	147	0
	28		7.7	5.8	153	0
	29		7.8	13.2	245	0
	30		7.7	6.0	113	0
	31		7.8	3.4	62	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	136		7.64516129		5.348387097		138.129032258		0	
	Daily Max	136		7.9		13.2		245		0	
	Daily Min	136		7.3		2.4		61		0	
	Week 1 Avg					4.885714286					
	Week 2 Avg					4					
	Week 3 Avg					5.085714286					
	Week 4 Avg					6.485714286					
Limit(s) in Effect	Monthly Avg					30	0				
	Daily Max			9	0						
	Daily Min			6	0						
	Weekly Avg					45	0				
QA/QC Information	LOD	2.2									
	LOQ	7.3									
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150				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	200	0.13	4.81	0.1	
	2	227	0.34	10.73	0.3	
	3	168	0.33	10.66		
	4	176	0.39	13.21		
	5	141	0.31	9.94	0.8	
	6	105	0.28	8.66	0.4	
	7	100	0.29	8.50	0.3	<0.3
	8	63	0.28	7.34	0.3	
	9	77	0.33	9.08	0.4	
	10	147	0.37	8.76		
	11	61	0.26	6.12		
	12	91	0.21	5.04	1.1	
	13	122	0.27	6.59	0.3	
	14	123	0.21	4.95	0.2	
	15	150	0.19	4.32	0.2	
	16	122	0.29	7.68	0.3	
	17	118	0.29	7.41		
	18	112	0.27	7.22		
	19	121	0.26	6.29	0.1	
	20	156	0.34	8.83	0.2	
	21	111	0.43	10.34	0.3	
	22	133	0.30	7.67	0.2	
	23	183	0.32	7.93	0.5	
	24	151	0.31	6.15		
	25	206	0.38	11.20		
	26	198	0.33	9.33	0.3	
	27	147	0.30	8.17	0.4	
	28	153	0.27	7.13	0.3	
	29	245	0.70	13.00	0.2	
	30	113	0.40	7.54	0.8	
	31	62	0.38	6.94		

	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	138.129032258		0.31483871		8.114193548		0.363636364		0	
	Daily Max	245		0.7		13.21		1.1		<0.3	
	Daily Min	61		0.13		4.32		0.1		<0.3	
	Week 1 Avg	159.571428571						0.38			
	Week 2 Avg	97.714285714						0.46			
	Week 3 Avg	127.142857143						0.22			
	Week 4 Avg	167.285714286						0.34			
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		0.3	
	LOQ			0.087				0.09		1	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445005220				445005220		445023150	

	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					
	7	<1.3	17	9.8	7.1	17
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	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		17		9.8		7.1		17	
	Daily Max	<1.3		17		9.8		7.1		17	
	Daily Min	<1.3		17		9.8		7.1		17	
	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	0.3		1.3		3.5		1.3		2.2	
	LOQ	1		4.3		12		4.3		7.3	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445023150		445023150		445023150		445023150	

	Sample Point	101
	Description	Effluent Reuse
	Parameter	671
	Description	Flow Unregulated
	Units	MGD
	Sample Type	CONTINUOUS
	Frequency	DAILY
Sample Results	Day 1	2.304
	2	2.766
	3	2.576
	4	2.350
	5	2.620
	6	2.605
	7	2.414
	8	2.629
	9	2.592
	10	2.747
	11	2.803
	12	2.721
	13	2.603
	14	2.624
	15	2.622
	16	2.261
	17	2.360
	18	2.027
	19	2.433
	20	2.230
	21	2.372
	22	2.241
	23	2.332
	24	3.075
	25	1.828
	26	2.061
	27	2.053
	28	2.134
	29	2.889
	30	2.968
	31	2.987

	Sample Point	101	
	Description	Effluent Reuse	
	Parameter	671	
	Description	Flow Unregulated	
	Units	MGD	
Summary Values	Monthly Avg	2.491193548	
	Daily Max	3.075	
	Daily Min	1.828	
	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

Final Sample Dates: 1/10,1/11 were not preserved for Total Phosphorus hence they are flagged.

Submitted by Brian Helminger(mantywwtfsupt2004) on 2/13/2025 11:40:48 AM