

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: 04/01/2025 - 04/30/2025
Form Due Date: 05/21/2025
Permit Number: 0031232

Date Received:	
DOC:	570878
FIN:	6375
FID:	445005220
Region:	Northeast Region
Permit Drafter:	Jennifer K Jerich
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	11.873	11.873	<100	100	
	2	14.666	14.666	92	120	
	3	13.616	13.616	106	100	
	4	11.663	11.663	<100	192	
	5	10.076	10.076	<100	92	
	6	9.482	9.482	152	144	
	7	8.423	8.423	162	188	
	8	8.161	8.161	154	188	0.5
	9	7.851	7.851	156	156	
	10	7.649	7.649	182	176	
	11	7.255	7.255	166	176	
	12	6.949	6.949	179	188	
	13	7.016	7.016	195	164	
	14	6.885	6.885	159	164	
	15	6.748	6.748	174	172	
	16	6.534	6.534	187	180	
	17	6.468	6.468	186	188	
	18	8.426	8.426	158	160	
	19	8.031	8.031	166	152	
	20	7.568	7.568	155	180	
	21	10.063	10.063	146	160	
	22	8.968	8.968	136	164	
	23	8.822	8.822	136	120	
	24	9.134	9.134	163	132	
	25	8.692	8.692	102	152	
	26	8.473	8.473	79	132	
	27	8.261	8.261	198	144	
	28	7.843	7.843	164	172	
	29	9.419	9.419	114	172	
	30	8.298	8.298	140	136	
	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	8.7771		8.7771		136.9		155.466666667		0.5	
	Daily Max	14.666		14.666		198		192		0.5	
	Daily Min	6.468		6.468		79		92		0.5	
	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									0.3	
	LOQ									1	
	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				5	
	2				5	
	3				8	
	4				7	
	5				5	
	6				6	
	7				5	
	8	2.3	43	<3.5	5	5.0
	9				6	
	10				6	
	11				5	
	12				5	
	13				6	
	14				4	
	15				4	
	16				4	
	17				4	
	18				5	
	19				4	
	20				4	
	21				5	
	22				4	
	23				4	
	24				6	
	25				4	
	26				4	
	27				4	
	28				4	
	29				3	
	30				4	
	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	2.3		43		0		4.833333333		5	
	Daily Max	2.3		43		<3.5		8		5	
	Daily Min	2.3		43		<3.5		3		5	
	Week 1 Avg							5.857142857			
	Week 2 Avg							5.285714286			
	Week 3 Avg							4.285714286			
	Week 4 Avg							4.285714286			
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	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	4.8	475	0
	2		7.5	4.0	489	0
	3		7.4	12.8	1454	0
	4		7.4	2.0	195	0
	5		7.4	3.0	252	0
	6		7.5	3.0	237	0
	7		7.3	3.0	211	0
	8	89	7.3	3.2	218	0
	9		7.3	4.8	314	0
	10		7.4	4.2	268	0
	11		7.4	3.4	206	0
	12		7.6	2.8	162	0
	13		7.6	3.6	211	0
	14		7.4	3.6	207	0
	15		7.5	3.6	203	0
	16		7.4	3.2	174	0
	17		7.5	3.2	173	0
	18		7.1	3.4	239	0
	19		7.4	3.2	214	0
	20		7.4	3.2	202	0
	21		7.5	5.2	436	0
	22		7.4	3.4	254	0
	23		7.4	3.4	250	0
	24		7.2	4.0	305	0
	25		7.4	3.8	275	0
	26		7.5	4.0	283	0
	27		7.4	3.4	234	0
	28		7.3	3.2	209	0
	29		7.3	3.0	236	0
	30		7.4	3.2	221	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	89		7.393333333		3.82		293.566666667		0	
	Daily Max	89		7.6		12.8		1454		0	
	Daily Min	89		7.1		2		162		0	
	Week 1 Avg					4.657142857					
	Week 2 Avg					3.657142857					
	Week 3 Avg					3.571428571					
	Week 4 Avg					3.6					
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	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	475	0.18	17.82	0.03	
	2	489	0.22	26.91	0.02	
	3	1454	0.48	54.51	0.10	
	4	195	0.44	42.80		
	5	252	0.37	31.09		
	6	237	0.31	24.51	0.27	
	7	211	0.27	18.97	0.18	
	8	218	0.26	17.70	0.12	0.4
	9	314	0.26	17.02	0.18	
	10	268	0.26	16.59	0.18	
	11	206	0.24	14.52		
	12	162	0.19	11.01		
	13	211	0.16	9.36	0.32	
	14	207	0.12	6.89	0.17	
	15	203	0.13	7.32	0.13	
	16	174	0.12	6.54	0.16	
	17	173	0.14	7.55	0.12	
	18	239	0.18	12.65		
	19	214	0.16	10.72		
	20	202	0.12	7.57	0.12	
	21	436	0.14	11.75	0.15	
	22	254	0.10	7.48	0.06	
	23	250	0.11	8.09	0.15	
	24	305	0.14	10.66	0.13	
	25	275	0.16	11.60		
	26	283	0.15	10.60		
	27	234	0.13	8.96	0.26	
	28	209	0.12	7.85	0.30	
	29	236	0.09	7.07	0.14	
	30	221	0.11	7.61	0.14	
	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	293.566666667		0.195333333		15.124		0.155909091		0.4	
	Daily Max	1454		0.48		54.51		0.32		0.4	
	Daily Min	162		0.09		6.54		0.02		0.4	
	Week 1 Avg	473.285714286						0.12			
	Week 2 Avg	226.571428571						0.194			
	Week 3 Avg	234.428571429						0.136			
	Week 4 Avg	258.571428571						0.18			
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		0.3	
	LOQ			0.087				0.09		1	
	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					
	7					
	8	<1.3	5.4	<3.5	5.9	15
	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		5.4		0		5.9		15	
	Daily Max	<1.3		5.4		<3.5		5.9		15	
	Daily Min	<1.3		5.4		<3.5		5.9		15	
	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		0.8		3.5		1.3		2.2	
	LOQ	4.3		2.7		12		4.3		7.3	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	101
	Description	Effluent Reuse
	Parameter	671
	Description	Flow Unregulated
	Units	MGD
	Sample Type	CONTINUOUS
	Frequency	DAILY
Sample Results	Day 1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
	13	
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	15	
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	Sample Point	101	
	Description	Effluent Reuse	
	Parameter	671	
	Description	Flow Unregulated	
	Units	MGD	
Summary Values	Monthly Avg		
	Daily Max		
	Daily Min		
	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		
	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

4-6 (BOD Blank = 0.35 ppm)
4-23 (BOD Blank = 1.63)

Submitted by mantywwtfsupt2004 on 05/20/2025 11:19:49 AM