

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: 11/01/2025 - 11/30/2025
Form Due Date: 12/21/2025
Permit Number: 0031232

Date Received:	
DOC:	583449
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	1.678	5.019	210	192	
	2	2.546	5.005	266	232	
	3	2.012	5.132	248	252	
	4	2.173	5.286	236	220	0.7
	5	2.078	5.154	218	228	
	6	2.299	5.150	251	164	
	7	2.378	5.198	204	236	
	8	2.009	5.021	200	272	
	9	2.873	5.281	256	172	
	10	2.020	5.090	231	216	
	11	2.539	5.062	261	292	
	12	2.476	5.094	285	216	
	13	2.072	5.007	253	224	
	14	2.508	4.905	220	204	
	15	2.265	4.835	210	224	
	16	2.173	5.052	232	240	
	17	2.119	5.029	227	260	
	18	2.183	5.004	256	228	
	19	1.649	4.970	299	256	
	20	1.738	4.937	248	220	
	21	1.866	4.891	252	252	
	22	2.236	4.771	210	228	
	23	2.184	4.927	309	240	
	24	2.166	5.003	231	240	
	25	2.762	5.037	256	208	
	26	3.404	5.402	251	260	
	27	2.962	5.103	238	264	
	28	2.120	4.774	240	208	
	29	1.823	4.869	220	92	
	30	2.693	5.065	229	352	
	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	2.2668		5.035766667		241.566666667		229.733333333		0.7	
	Daily Max	3.404		5.402		309		352		0.7	
	Daily Min	1.649		4.771		200		92		0.7	
	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		445023150	

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	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	6.1	69	<3.5	16	143
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	20					
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	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	701		701		701		701		701	
	Description	Influent		Influent		Influent		Influent		Influent	
	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	6.1		69		0		16		143	
	Daily Max	6.1		69		<3.5		16		143	
	Daily Min	6.1		69		<3.5		16		143	
	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		4.3	
	LOQ	4.3		2.7		12		4.3		14	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445023150		445023150		445023150		445023150	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	66	377	457	457	1348
	Description	BOD5, Total	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	mg/L	su	mg/L	lbs/day	lbs/month
	Sample Type	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	5/WEEK	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	5.2	7.5	10.8	151	0
	2	6.1	7.6	10.8	229	0
	3	4.1	7.7	11.6	195	0
	4	4.3	7.9	8.4	152	0
	5	4.8	8.0	10.8	187	0
	6	3.9	7.9	9.6	184	0
	7	4.2	7.9	10	198	0
	8	4.2	7.7	9.6	161	0
	9	5.1	8.2	9.6	230	0
	10	4.1	7.8	8.8	148	0
	11	4.6	7.9	8.4	178	0
	12	5.5	7.9	8.0	165	0
	13	5.8	7.7	8.4	145	0
	14	4.5	8.0	8.4	176	0
	15	4.5	8.3	13.2	249	0
	16	5.1	8.2	12.0	217	0
	17	5.8	8.2	12.0	212	0
	18	7.7	8.0	12.8	233	0
	19	7.7	7.8	15.2	209	0
	20	4.8	7.8	10.0	145	0
	21	6.0	8.2	11.2	174	0
	22	4.9	8.0	8.8	164	0
	23	4.8	7.9	10.0	182	0
	24	4.9	7.9	9.6	173	0
	25	4.4	7.8	9.2	212	0
	26	5.6	7.9	11.6	329	0
	27	5.4	7.8	12.4	306	0
	28	5.7	7.8	16.8	297	0
	29	5.1	8.0	13.2	201	0
	30	5.2	8.2	10.8	243	0
	31					

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	66		377		457		457		1348	
	Description	BOD5, Total		pH Field		Suspended Solids, Total		Suspended Solids, Total		WQT Credits Used (TSS)	
	Units	mg/L		su		mg/L		lbs/day		lbs/month	
Summary Values	Monthly Avg	5.133333333		7.916666667		10.733333333		201.5		0	
	Daily Max	7.7		8.3		16.8		329		0	
	Daily Min	3.9		7.5		8		145		0	
	Week 1 Avg	4.657142857				10.285714286					
	Week 2 Avg	4.828571429				8.742857143					
	Week 3 Avg	5.942857143				12.342857143					
	Week 4 Avg	5.1				11.2					
Limit(s) in Effect	Monthly Avg	30	0			30	0				
	Daily Max			9	0						
	Daily Min			6	0						
	Weekly Avg	45	0			45	0				
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445005220				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	151	0.26	3.64		
	2	229	0.27	5.73	1.08	
	3	195	0.26	4.36	0.08	
	4	152	0.23	4.17	0.11	<0.3
	5	187	0.25	4.33	0.06	
	6	184	0.23	4.41	0.17	
	7	198	0.26	5.16		
	8	161	0.21	3.52		
	9	230	0.22	5.27	0.19	
	10	148	0.22	3.71	0.15	
	11	178	0.24	5.08	0.18	
	12	165	0.23	4.75	0.08	
	13	145	0.25	4.32	0.07	
	14	176	0.20	4.18		
	15	249	0.21	3.97		
	16	217	0.26	4.71	0.28	
	17	212	0.29	5.13	0.25	
	18	233	0.25	4.55	0.48	
	19	209	0.25	3.44	0.35	
	20	145	0.26	3.77	0.33	
	21	174	0.24	3.73		
	22	164	0.24	4.48		
	23	182	0.21	3.83	0.22	
	24	173	0.25	4.52	0.27	
	25	212	0.23	5.30	0.09	
	26	329	0.39	11.07	0.39	
	27	306	1.16	28.66	0.39	
	28	297	0.29	5.13		
	29	201	0.20	3.04		
	30	243	0.24	5.39	0.96	
	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	201.5		0.276666667		5.445		0.294285714		0	
	Daily Max	329		1.16		28.66		1.08		<0.3	
	Daily Min	145		0.2		3.04		0.06		<0.3	
	Week 1 Avg	185.142857143						0.3			
	Week 2 Avg	171.857142857						0.134			
	Week 3 Avg	205.571428571						0.338			
	Week 4 Avg	237.571428571						0.272			
Limit(s) in Effect	Monthly Avg	801	0	1	0			18	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					17	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	<1.3	4.3	<3.5	8.6	20
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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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		4.3		0		8.6		20	
	Daily Max	<1.3		4.3		<3.5		8.6		20	
	Daily Min	<1.3		4.3		<3.5		8.6		20	
	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		4.3	
	LOQ	4.3		2.7		12		4.3		14	
	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	3.341
	2	2.459
	3	3.120
	4	3.113
	5	3.076
	6	2.851
	7	2.820
	8	3.012
	9	2.408
	10	3.07
	11	2.523
	12	2.618
	13	2.935
	14	2.397
	15	2.57
	16	2.879
	17	2.91
	18	2.821
	19	3.321
	20	3.199
	21	3.025
	22	2.535
	23	2.743
	24	2.837
	25	2.275
	26	1.998
	27	2.141
	28	2.654
	29	3.046
	30	2.372
	31	

	Sample Point	101	
	Description	Effluent Reuse	
	Parameter	671	
	Description	Flow Unregulated	
	Units	MGD	
Summary Values	Monthly Avg	2.768966667	
	Daily Max	3.341	
	Daily Min	1.998	
	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

11-1 BOD Blank of 0.46, 11-12 BOD Blank of 0.26, 11-12 GGA of 262.7

11-15 BOD Blank of 0.71, 11-20 BOD Blank of 0.29, 11-23 BOD Blank of 0.36

Submitted by Brian Helminger on 12/09/2025 9:52:11 AM