

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: 01/01/2026 - 01/31/2026
Form Due Date: 02/21/2026
Permit Number: 0031232

Date Received:	
DOC:	592734
FIN:	6375
FID:	445005220
Region:	Northeast Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Barti Oumarou
Office:	Oshkosh

Sample Point(s) active?

Yes - 001 sample point (Effluent)
Yes - 701 sample point (Influent)
Yes - 101 sample point (Effluent Reuse)
No - 112 sample point (BLENDING)

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	Sample Point	701	001	001	701	001
	Description	Influent	Effluent	Effluent	Influent	Effluent
	Parameter	211	211	66	66	457
	Description	Flow Rate	Flow Rate	BOD5, Total	BOD5, Total	Suspended Solids, Total
	Units	MGD	MGD	mg/L	mg/L	mg/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	5.770	3.063	3.9	246	3.0
	2	5.410	2.316	4.3	205	2.4
	3	5.452	2.787	3.9	186	3.4
	4	5.697	2.942	4.8	228	3.6
	5	5.710	2.780	4.8	218	3.0
	6	5.770	3.070	5.3	224	4.6
	7	5.955	3.024	5.0	224	4.0
	8	6.824	3.823	4.2	195	4.4
	9	11.306	8.541	3.3	64	3.6
	10	9.011	6.358	3.8	122	3.4
	11	8.003	6.260	3.6	177	3.8
	12	7.271	4.643	3.8	168	3.2
	13	6.793	3.942	4.4	212	2.2
	14	6.949	4.536	4.7	192	2.8
	15	6.817	3.997	3.5	216	3.4
	16	6.540	3.831	6.6	218	7.0
	17	6.150	3.476	5.2	210	4.4
	18	6.172	3.499	5.3	226	4.6
	19	6.218	3.544	4.3	219	3.4
	20	6.131	3.332	3.9	215	2.6
	21	5.821	2.927	4.7	212	4.6
	22	5.671	3.111	4.1	264	3.8
	23	5.745	3.159	4.4	260	3.2
	24	5.555	3.325	5.5	217	2.6
	25	5.603	3.595	3.7	244	3.0
	26	5.749	3.849	7.6	186	3.8
	27	5.576	3.359	4.0	214	3.6
	28	5.511	3.308	3.8	246	3.2
	29	5.482	2.929	3.0	212	3.4
	30	5.214	2.701	3.1	216	3.8
	31	5.218	2.974	4.1	175	4.0

	Sample Point	701		001		001		701		001	
	Description	Influent		Effluent		Effluent		Influent		Effluent	
	Parameter	211		211		66		66		457	
	Description	Flow Rate		Flow Rate		BOD5, Total		BOD5, Total		Suspended Solids, Total	
	Units	MGD		MGD		mg/L		mg/L		mg/L	
Summary Values	Monthly Avg	6.293354839		3.709709677		4.406451613		206.806451613		3.606451613	
	Daily Max	11.306		8.541		7.6		264		7	
	Daily Min	5.214		2.316		3		64		2.2	
	Week 1 Avg					4.571428571				3.428571429	
	Week 2 Avg					3.971428571				3.342857143	
	Week 3 Avg					4.785714286				4.285714286	
	Week 4 Avg					4.728571429				3.314285714	
Limit(s) in Effect	Monthly Avg					30	0			30	0
	Daily Max										
	Daily Min										
	Weekly Avg					45	0			45	0
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		Y		N	
	Lab Certification					445005220		445005220		445005220	

	Sample Point	701	701	001	701	001
	Description	Influent	Influent	Effluent	Influent	Effluent
	Parameter	457	87	457	133	457
	Description	Suspended Solids, Total	Cadmium, Total Recoverable	Suspended Solids, Total	Chromium, Total Recoverable	Suspended Solids, Total
	Units	mg/L	ug/L	lbs/day	ug/L	lbs/month
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	CALCULATED
	Frequency	DAILY	MONTHLY	DAILY	MONTHLY	MONTHLY
Sample Results	Day 1	236		77		
	2	204		46		
	3	204		79		
	4	216		88		
	5	220		70		
	6	224	0.7	118	6.0	
	7	212		101		
	8	200		140		
	9	52		256		
	10	128		180		
	11	128		167		
	12	208		124		
	13	148		72		
	14	156		106		
	15	236		113		
	16	116		224		
	17	116		128		
	18	256		134		
	19	204		100		
	20	156		72		
	21	228		112		
	22	276		99		
	23	176		84		
	24	192		72		
	25	180		90		
	26	208		122		
	27	272		101		
	28	188		88		
	29	208		83		
	30	108		86		
	31	276		99		3432

	Sample Point	701		701		001		701		001	
	Description	Influent		Influent		Effluent		Influent		Effluent	
	Parameter	457		87		457		133		457	
	Description	Suspended Solids, Total		Cadmium, Total Recoverable		Suspended Solids, Total		Chromium, Total Recoverable		Suspended Solids, Total	
	Units	mg/L		ug/L		lbs/day		ug/L		lbs/month	
Summary Values	Monthly Avg	191.35483871		0.7		110.677419355		6		3432	
	Daily Max	276		0.7		256		6		3432	
	Daily Min	52		0.7		46		6		3432	
	Week 1 Avg					82.714285714					
	Week 2 Avg					149.285714286					
	Week 3 Avg					126.142857143					
	Week 4 Avg					93.714285714					
Limit(s) in Effect	Monthly Avg					700	0				
	Daily Max										
	Daily Min										
	Weekly Avg					1100	0				
QA/QC Information	LOD			0.3				1.3			
	LOQ			1				4.3			
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445005220		445023150				445023150			

	Sample Point	001	701	001	701	701
	Description	Effluent	Influent	Effluent	Influent	Influent
	Parameter	457	147	377	264	315
	Description	Suspended Solids, Total	Copper, Total Recoverable	pH Field	Lead, Total Recoverable	Nickel, Total Recoverable
	Units	lbs/yr	ug/L	su	ug/L	ug/L
	Sample Type	CALCULATED	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	MONTHLY	MONTHLY	DAILY	MONTHLY	MONTHLY
Sample Results	Day 1			7.7		
	2			7.8		
	3			7.6		
	4			7.7		
	5			7.7		
	6		7.2	8.0	<3.5	12
	7			8.2		
	8			7.7		
	9			7.8		
	10			7.8		
	11			7.7		
	12			7.6		
	13			7.8		
	14			7.7		
	15			7.7		
	16			7.7		
	17			8.2		
	18			7.6		
	19			7.8		
	20			7.8		
	21			7.8		
	22			7.8		
	23			7.8		
	24			7.7		
	25			7.6		
	26			8.0		
	27			7.7		
	28			8.3		
	29			7.7		
	30			7.8		
	31	3432		7.8		

	Sample Point	001		701		001		701		701	
	Description	Effluent		Influent		Effluent		Influent		Influent	
	Parameter	457		147		377		264		315	
	Description	Suspended Solids, Total		Copper, Total Recoverable		pH Field		Lead, Total Recoverable		Nickel, Total Recoverable	
	Units	lbs/yr		ug/L		su		ug/L		ug/L	
Summary Values	Monthly Avg	3432		7.2		7.793548387		0		12	
	Daily Max	3432		7.2		8.3		<3.5		12	
	Daily Min	3432		7.2		7.6		<3.5		12	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max					9	0				
	Daily Min					6	0				
	Weekly Avg										
QA/QC Information	LOD			0.8				3.5		1.3	
	LOQ			2.7				12		4.3	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445023150				445023150		445023150	

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	789	388	388	388
	Description	Zinc, Total Recoverable	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	ug/L	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	DAILY	DAILY	DAILY	MONTHLY
Sample Results	Day 1		0.2	0.25	6.39	
	2		0.4	0.30	5.79	
	3		0.4	0.30	6.97	
	4		0.8	0.30	7.36	
	5		0.3	0.29	6.72	
	6	149	0.6	0.31	7.94	
	7		0.4	0.29	7.31	
	8		0.6	0.29	9.25	
	9		0.2	0.20	14.25	
	10		0.2	0.20	10.61	
	11		0.1	0.20	8.77	
	12		0.2	0.19	7.36	
	13		0.3	0.19	6.25	
	14		0.3	0.19	7.19	
	15		0.3	0.19	6.33	
	16		0.8	0.22	7.03	
	17		0.9	0.44	12.76	
	18		0.9	0.35	10.21	
	19		0.5	0.28	8.28	
	20		0.6	0.32	8.89	
	21		0.5	0.33	8.06	
	22		0.4	0.31	8.04	
	23		0.2	0.31	8.17	
	24		1.1	0.32	8.87	
	25		0.7	0.30	8.99	
	26		0.7	0.51	16.37	
	27		0.4	0.38	10.65	
	28		0.6	0.37	10.21	
	29		0.5	0.35	8.55	
	30		0.5	0.37	8.33	
	31		0.5	0.45	11.16	273.06

	Sample Point	701		001		001		001		001	
	Description	Influent		Effluent		Effluent		Effluent		Effluent	
	Parameter	553		789		388		388		388	
	Description	Zinc, Total Recoverable		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	ug/L		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	Monthly Avg	149		0.487096774		0.3		8.808387097		273.06	
	Daily Max	149		1.1		0.51		16.37		273.06	
	Daily Min	149		0.1		0.19		5.79		273.06	
	Week 1 Avg			0.442857143							
	Week 2 Avg			0.271428571							
	Week 3 Avg			0.642857143							
	Week 4 Avg			0.585714286							
Limit(s) in Effect	Monthly Avg			10	0	1	0	31.5	0		
	Daily Max			17	0						
	Daily Min										
	Weekly Avg			28	0						
QA/QC Information	LOD	4.3		0.027		0.026					
	LOQ	14		0.09		0.087					
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445005220		445005220					

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	388	87	133	147	264
	Description	Phosphorus, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable
	Units	lbs/yr	ug/L	ug/L	ug/L	ug/L
	Sample Type	CALCULATED	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		0.3	<1.3	3.5	<3.5
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	273.06				

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	388		87		133		147		264	
	Description	Phosphorus, Total		Cadmium, Total Recoverable		Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable	
	Units	lbs/yr		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	273.06		0.3		0		3.5		0	
	Daily Max	273.06		0.3		<1.3		3.5		<3.5	
	Daily Min	273.06		0.3		<1.3		3.5		<3.5	
	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		1.3		0.8		3.5	
	LOQ			1		4.3		2.7		12	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445023150		445023150		445023150		445023150	

	Sample Point	001	001	101
	Description	Effluent	Effluent	Effluent Reuse
	Parameter	315	553	671
	Description	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated
	Units	ug/L	ug/L	MGD
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	CONTINUOUS
	Frequency	MONTHLY	MONTHLY	DAILY
Sample Results	Day 1			2.707
	2			3.094
	3			2.665
	4			2.755
	5			2.930
	6	9.3	40	2.700
	7			2.931
	8			3.001
	9			2.765
	10			2.653
	11			2.743
	12			2.628
	13			2.851
	14			2.413
	15			2.820
	16			2.709
	17			2.674
	18			2.673
	19			2.674
	20			2.799
	21			2.894
	22			2.560
	23			2.586
	24			2.230
	25			2.008
	26			1.900
	27			2.217
	28			2.203
	29			2.553
	30			2.513
	31			2.244

	Sample Point	001		001		101	
	Description	Effluent		Effluent		Effluent Reuse	
	Parameter	315		553		671	
	Description	Nickel, Total Recoverable		Zinc, Total Recoverable		Flow Unregulated	
	Units	ug/L		ug/L		MGD	
Summary Values	Monthly Avg	9.3		40		2.615903226	
	Daily Max	9.3		40		3.094	
	Daily Min	9.3		40		1.9	
	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		4.3			
	LOQ	4.3		14			
	QC Exceedance	N		N		N	
	Lab Certification	445023150		445023150			

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

BOD: GGA (1-22) 138.7 mg/L NH3-N: CS (1-6) 1.106 mg/L
GGA (1-29) 150.4 mg/L
Blanks: (1-3) 0.36 mg/L
 (1-4) 0.49 mg/L
 (1-6) 2.73 mg/L
 (1-10) 0.45 mg/L
 (1-16) 0.59 mg/L
 (1-30) 0.31 mg/L
 (1-31) 0.38 mg/L

Submitted by Brian Helminger on 02/06/2026 11:03:11 AM