

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: 02/01/2026 - 02/28/2026
Form Due Date: 03/21/2026
Permit Number: 0031232

Date Received:	
DOC:	592735
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	5.502	3.234	3.5	219	4.0
	2	5.240	2.355	3.4	200	8.8
	3	5.440	2.383	3.2	236	10.4
	4	5.142	2.064	4.6	223	7.2
	5	5.137	2.677	4.0	260	4.8
	6	5.425	2.752	3.4	186	4.4
	7	5.103	2.589	4.4	156	5.6
	8	5.298	2.888	4.6	297	3.8
	9	5.292	2.733	4.1	210	6.4
	10	5.190	2.766	3.6	256	10.4
	11	5.211	2.510	3.4	213	8.4
	12	5.197	2.675	2.6	214	8.8
	13	5.201	2.801	2.2	160	9.6
	14	5.221	2.582	<2.0	204	4.8
	15	5.548	3.318	2.5	210	6.0
	16	5.486	3.011	3.3	158	7.2
	17	5.698	3.085	2.1	182	9.0
	18	7.560	5.268	2.8	234	4.8
	19	6.964	4.998	3.6	207	6.8
	20	11.119	7.348	2.3	91	2.4
	21	8.369	5.590	2.2	114	3.0
	22	7.435	4.722	2.0	167	2.6
	23	6.550	3.324	4.0	258	3.4
	24	6.514	3.723	2.4	160	1.4
	25	6.361	3.442	3.6	196	2.6
	26	6.259	3.290	4.3	213	3.4
	27	6.258	3.647	3.5	212	3.4
	28	6.175	3.182	5.6	154	5.8
	29					
	30					
	31					

	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	6.067678571	3.391321429	3.257142857	199.642857143	5.685714286
	Daily Max	11.119	7.348	5.6	297	10.4
	Daily Min	5.103	2.064	<2	91	1.4
	Week 1 Avg			3.785714286		6.457142857
	Week 2 Avg			2.928571429		7.457142857
	Week 3 Avg			2.685714286		5.6
	Week 4 Avg			3.628571429		3.228571429
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	Y	N	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	264		108		
	2	100		173		
	3	220	0.3	207	6.2	
	4	224		124		
	5	208		107		
	6	196		101		
	7	212		121		
	8	248		92		
	9	284		146		
	10	228		240		
	11	240		176		
	12	224		196		
	13	244		224		
	14	268		103		
	15	224		166		
	16	200		181		
	17	244		232		
	18	176		211		
	19	204		283		
	20	80		147		
	21	104		140		
	22	212		102		
	23	156		94		
	24	184		43		
	25	236		75		
	26	200		93		
	27	120		103		
	28	188		154		4291
	29					
	30					
	31					

	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	203.142857143	0.3	147.928571429	6.2	4291
	Daily Max	284	0.3	283	6.2	4291
	Daily Min	80	0.3	43	6.2	4291
	Week 1 Avg			134.428571429		
	Week 2 Avg			168.142857143		
	Week 3 Avg			194.285714286		
	Week 4 Avg			94.857142857		
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			7.6		
	2			7.8		
	3		70	8.3	<3.5	16
	4			7.7		
	5			7.8		
	6			7.9		
	7			8.3		
	8			7.8		
	9			7.7		
	10			7.8		
	11			7.8		
	12			7.7		
	13			8.2		
	14			7.7		
	15			7.6		
	16			7.8		
	17			8.2		
	18			8.3		
	19			7.8		
	20			8.0		
	21			7.8		
	22			7.7		
	23			7.9		
	24			7.8		
	25			7.7		
	26			8.2		
	27			7.9		
	28		7833		8.2	
	29					
	30					
	31					

	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	7833	70	7.892857143	0	16
	Daily Max	7833	70	8.3	<3.5	16
	Daily Min	7833	70	7.6	<3.5	16
	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		0.63	0.38	10.25	
	2		0.65	0.26	5.11	
	3	152	0.45	0.21	4.17	
	4		0.19	0.20	3.44	
	5		0.10	0.24	5.36	
	6		0.27	0.33	7.57	
	7		0.41	0.49	10.58	
	8		0.14	0.28	6.74	
	9		0.56	0.22	5.01	
	10		0.44	0.37	8.54	
	11		0.88	0.46	9.63	
	12		0.44	0.28	6.25	
	13		0.62	0.38	8.88	
	14		0.94	0.34	7.32	
	15		0.70	0.19	6.26	
	16		0.15	0.14	3.52	
	17		0.12	0.14	3.60	
	18		0.19	0.23	10.11	
	19		0.17	0.12	5.00	
	20		0.15	0.15	9.19	
	21		0.06	0.12	5.59	
	22		0.04	0.11	4.33	
	23		0.07	0.18	4.99	
	24		0.09	0.14	4.35	
	25		0.12	0.16	4.59	
	26		0.35	0.18	4.94	
	27		0.16	0.17	5.17	
	28		0.23	0.06	1.59	177.2
	29					
	30					
	31					

	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	152	0.332857143	0.233214286	6.145714286	177.2		
	Daily Max	152	0.94	0.49	10.58	177.2		
	Daily Min	152	0.04	0.06	1.59	177.2		
	Week 1 Avg		0.385714286					
	Week 2 Avg		0.574285714					
	Week 3 Avg		0.22					
	Week 4 Avg		0.151428571					
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		<0.3	<1.3	5.0	<3.5
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28		459.10			
	29					
	30					
	31					

	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	459.1		0		0		5		0	
	Daily Max	459.1		<0.3		<1.3		5		<3.5	
	Daily Min	459.1		<0.3		<1.3		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			2.268
	2			2.885
	3	12	41	3.057
	4			3.078
	5			2.460
	6			2.673
	7			2.514
	8			2.410
	9			2.559
	10			2.424
	11			2.701
	12			2.522
	13			2.400
	14			2.639
	15			2.230
	16			2.475
	17			2.613
	18			2.292
	19			1.966
	20			3.771
	21			2.779
	22			2.713
	23			3.226
	24			2.791
	25			2.919
	26			2.969
	27			2.611
	28			2.993
	29			
	30			
	31			

	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	12	41	2.676357143
	Daily Max	12	41	3.771
	Daily Min	12	41	1.966
	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

2-14-26 BOD: Final BOD's under-depleted
3-2-26 Influent sample flagged for preservation not <2pH
BOD Blanks: 2-2 (0.51), 2-16 (-0.26), 2-21 (1.11), 2-22 (1.36)
TP Blanks: 2-16 (-0.052), 2-17 (-0.051)
TP CS:2-11 (1.106)

Submitted by Brian Helming on 03/09/2026 7:14:29 AM