

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: 06/01/2026 - 06/30/2026
Form Due Date: 07/21/2026
Permit Number: 0031232

Date Received:	
DOC:	598133
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)
Yes - 601 sample point (River Monitoring)
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	6.382	3.485	4.4	217	4.2
	2	6.388	3.654	4.0	166	4.6
	3	6.134	1.990	5.5	212	3.8
	4	6.166	2.440	4.4	233	4.0
	5	6.309	2.468	4.6	272	3.8
	6	6.269	3.240	3.7	168	3.8
	7	6.181	2.858	3.7	248	4.0
	8	6.387	3.035	4.2	248	5.0
	9	6.338	2.712	3.6	242	3.8
	10	6.559	2.917	5.4	204	4.2
	11	7.545	4.842	3.2	198	5.0
	12	7.664	5.149	4.9	170	2.8
	13	6.776	4.437	5.1	150	4.4
	14	6.762	4.775	6.6	197	6.2
	15	6.447	2.573	9.6	164	3.2
	16	6.210	3.349	8.1	213	5.4
	17	7.132	4.466	6.3	216	4.4
	18	7.942	4.791	3.8	190	8.4
	19	6.801	3.480	6.1	196	3.8
	20	6.769	3.640	5.5	181	4.0
	21	6.591	3.486	6.1	174	4.8
	22	6.738	3.577	7.0	188	5.2
	23	6.209	3.141	7.0	206	7.6
	24	3.264	3.414	9.3	232	6.6
	25	6.526	4.118	6.8	196	9.2
	26	6.418	3.082	5.0	208	6.2
	27	5.890	2.960	4.0	229	3.6
	28	6.186	3.341	6.6	199	4.8
	29	6.295	2.551	10.1	262	5.4
	30	6.181	2.334	9.8	199	5.6
	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	6.448633333		3.410166667		5.813333333		205.933333333		4.926666667	
	Daily Max	7.942		5.149		10.1		272		9.2	
	Daily Max - Variable										
	Daily Min	3.264		1.99		3.2		150		2.8	
	Geometric Mean -										
	Week 1 Avg					4.328571429				4.028571429	
	Week 2 Avg					4.714285714				4.485714286	
	Week 3 Avg					6.5				4.857142857	
	Week 4 Avg					6.528571429				6.171428571	
	% Exceedance										
Limit(s) in Effect	Monthly Avg					30	0			30	0
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Geometric Mean -										
	Weekly Avg					45	0			45	0
	% Exceedance										
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		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	304		122		
	2	120	0.3	140	1.5	
	3	228		63		
	4	244		81		
	5	300		78		
	6	216		103		
	7	96		95		
	8	196		127		
	9	228		86		
	10	232		102		
	11	196		202		
	12	168		120		
	13	180		163		
	14	160		247		
	15	196		69		
	16	256		151		
	17	156		164		
	18	180		336		
	19	200		110		
	20	164		121		
	21	200		140		
	22	212		155		
	23	208		199		
	24	196		188		
	25	212		316		
	26	264		159		
	27	256		89		
	28	220		134		
	29	212		115		
	30	232		109		4284
	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	207.733333333		0.3		142.8		1.5		4284	
	Daily Max	304		0.3		336		1.5		4284	
	Daily Max - Variable										
	Daily Min	96		0.3		63		1.5		4284	
	Geometric Mean -										
	Week 1 Avg					97.428571429					
	Week 2 Avg					149.571428571					
	Week 3 Avg					155.857142857					
	Week 4 Avg					177.142857143					
	% Exceedance										
	% Exceedance										
Limit(s) in Effect	Monthly Avg					700	0				
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Geometric Mean -										
	Weekly Avg					1100	0				
	% Exceedance										
QA/QC Information	LOD			0.0003				0.0013			
	LOQ			0.001				0.0043			
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445005220		445023150				445023150			

	Sample Point	701	001	701	001	701
	Description	Influent	Effluent	Influent	Effluent	Influent
	Parameter	147	457	264	377	315
	Description	Copper, Total Recoverable	Suspended Solids, Total	Lead, Total Recoverable	pH Field	Nickel, Total Recoverable
	Units	ug/L	lbs/yr	ug/L	su	ug/L
	Sample Type	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	GRAB	24 HR FLOW PROP
	Frequency	MONTHLY	MONTHLY	MONTHLY	DAILY	MONTHLY
Sample Results	Day 1				7.8	
	2	35		3.5	7.9	13
	3				8.3	
	4				7.9	
	5				7.8	
	6				8.1	
	7				8.1	
	8				8.0	
	9				8.2	
	10				7.9	
	11				7.9	
	12				8.2	
	13				8.2	
	14				8.2	
	15				7.8	
	16				7.7	
	17				7.8	
	18				7.8	
	19				7.9	
	20				7.8	
	21				7.9	
	22				7.6	
	23				8.3	
	24				7.9	
	25				7.9	
	26				7.8	
	27				7.4	
	28				8.0	
	29				8.0	
	30		43279		7.9	
	31					

	Sample Point	701	001	701	001	701
	Description	Influent	Effluent	Influent	Effluent	Influent
	Parameter	147	457	264	377	315
	Description	Copper, Total Recoverable	Suspended Solids, Total	Lead, Total Recoverable	pH Field	Nickel, Total Recoverable
	Units	ug/L	lbs/yr	ug/L	su	ug/L
Summary Values	Monthly Avg	35	43279	3.5	7.933333333	13
	Daily Max	35	43279	3.5	8.3	13
	Daily Max - Variable					
	Daily Min	35	43279	3.5	7.4	13
	Geometric Mean -					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
	% Exceedance					
Limit(s) in Effect	Monthly Avg					
	Daily Max				9	0
	Daily Max - Variable					
	Daily Min				6	0
	Geometric Mean -					
	Weekly Avg					
	% Exceedance					
QA/QC Information	LOD	0.0008		0.0035		0.0013
	LOQ	0.0027		0.012		0.0043
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150		445023150		445023150

	Sample Point	001	701	001	001	001
	Description	Effluent	Influent	Effluent	Effluent	Effluent
	Parameter	391	553	391	112	789
	Description	E. coli	Zinc, Total Recoverable	E. coli	Chlorine, Total Residual	Nitrogen, Ammonia (NH3-N) Total
	Units	#/100ml	ug/L	Percent	ug/L	mg/L
	Sample Type	GRAB	24 HR FLOW PROP	CALCULATED	GRAB	24 HR FLOW PROP
	Frequency	2/WEEK	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1				<100	0.26
	2	0	61		<100	0.43
	3	0			<100	0.38
	4				<100	0.19
	5				<100	0.33
	6				<100	0.18
	7				<100	0.25
	8	0			<100	0.45
	9	0			<100	0.45
	10				<100	0.25
	11				<100	0.12
	12				<100	0.42
	13				<100	0.44
	14				<100	1.72
	15				<100	0.16
	16				<100	0.07
	17	0			<100	0.49
	18	0			<100	0.07
	19				<100	0.19
	20				<100	0.11
	21				<100	0.09
	22				<100	0.04
	23	0			<100	0.10
	24	0			<100	0.14
	25				<100	0.09
	26				<100	0.48
	27				<100	0.30
	28				<100	0.73
	29				<100	0.24
	30			0	<100	0.03
	31					

	Sample Point	001		701		001		001		001	
	Description	Effluent		Influent		Effluent		Effluent		Effluent	
	Parameter	391		553		391		112		789	
	Description	E. coli		Zinc, Total Recoverable		E. coli		Chlorine, Total Residual		Nitrogen, Ammonia (NH3-N) Total	
	Units	#/100ml		ug/L		Percent		ug/L		mg/L	
Summary Values	Monthly Avg	0		61		0		0		0.306666667	
	Daily Max	0		61		0		<100		1.72	
	Daily Max - Variable										
	Daily Min	0		61		0		<100		0.03	
	Geometric Mean -	1									
	Week 1 Avg							0		0.288571429	
	Week 2 Avg							0		0.55	
	Week 3 Avg							0		0.168571429	
	Week 4 Avg							0		0.268571429	
	% Exceedance					0					
Limit(s) in Effect	Monthly Avg							38	0	4.4	0
	Daily Max							38	0	17	0
	Daily Max - Variable										
	Daily Min										
	Geometric Mean -	126	0								
	Weekly Avg							38	0	11	0
	% Exceedance					10	0				
QA/QC Information	LOD			4.3				100		0.027	
	LOQ			14				100		0.09	
	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	388	388	388	388	87
	Description	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total	Cadmium, Total Recoverable
	Units	mg/L	lbs/day	lbs/month	lbs/yr	ug/L
	Sample Type	24 HR FLOW PROP	CALCULATED	CALCULATED	CALCULATED	24 HR FLOW PROP
	Frequency	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1	0.17	4.94			
	2	0.16	4.88			0.3
	3	0.18	2.99			
	4	0.15	3.05			
	5	0.18	3.70			
	6	0.17	4.59			
	7	0.15	3.58			
	8	0.18	4.56			
	9	0.16	3.62			
	10	0.17	4.14			
	11	0.15	6.06			
	12	0.29	12.45			
	13	0.34	12.58			
	14	0.34	13.54			
	15	0.21	4.51			
	16	0.20	5.59			
	17	0.19	7.08			
	18	0.12	4.79			
	19	0.16	4.64			
	20	0.19	5.77			
	21	0.17	4.94			
	22	0.15	4.47			
	23	0.19	4.98			
	24	0.22	6.26			
	25	0.22	7.56			
	26	0.38	9.77			
	27	0.41	10.12			
	28	0.44	12.26			
	29	0.36	7.66			
	30	0.27	5.26	190.33	1491.32	
	31					

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	388		388		388		388		87	
	Description	Phosphorus, Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total		Cadmium, Total Recoverable	
	Units	mg/L		lbs/day		lbs/month		lbs/yr		ug/L	
Summary Values	Monthly Avg	0.222333333		6.344666667		190.33		1491.32		0.3	
	Daily Max	0.44		13.54		190.33		1491.32		0.3	
	Daily Max - Variable										
	Daily Min	0.12		2.99		190.33		1491.32		0.3	
	Geometric Mean -										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
	% Exceedance										
Limit(s) in Effect	Monthly Avg	1	0	31.5	0						
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Geometric Mean -										
	Weekly Avg										
	% Exceedance										
QA/QC Information	LOD	0.026								0.003	
	LOQ	0.087								0.001	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	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	1.3	4.9	3.5	11	27
	3					
	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					
	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	1.3		4.9		3.5		11		27	
	Daily Max	1.3		4.9		3.5		11		27	
	Daily Max - Variable										
	Daily Min	1.3		4.9		3.5		11		27	
	Geometric Mean -										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
	% Exceedance										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Geometric Mean -										
	Weekly Avg										
	% Exceedance										
QA/QC Information	LOD	0.0013		0.0008		0.0035		0.0013		0.0043	
	LOQ	0.0043		0.0027		0.012		0.0043		0.014	
	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	544	12	843	543	541
	Description	WLA BOD5 Value	WLA Adjusted Value	WLA BOD5 Discharged	WLA 7 Day Sum Of WLA Values	WLA 7 Day Sum Of BOD5 Discharged
	Units	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
	Sample Type	SEE TABLE	CALCULATED	CALCULATED	CALCULATED	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	3797	5240	127	34828	1019
	2	3797	5240	123	33057	915
	3	3354	4629	91	30843	771
	4	2917	4025	89	28192	755
	5	2917	4025	94	25844	749
	6	2298	3171	99	22877	731
	7	2298	3171	88	21378	712
	8	2298	3171	107	19879	692
	9	2298	3171	81	18380	650
	10	2298	3171	132	17324	691
	11	2298	3171	129	16705	731
	12	2298	3171	212	16086	849
	13	2917	4025	188	16705	938
	14	2917	4025	264	17324	1113
	15	3354	4629	205	18380	1210
	16	3354	4629	225	19436	1355
	17	3354	4629	235	20492	1458
	18	3354	4629	150	21548	1479
	19	3637	5019	178	22887	1445
	20	3637	5019	168	23607	1425
	21	3637	5019	178	24327	1339
	22	3354	4629	209	24327	1343
	23	3354	4629	182	24327	1300
	24	3354	4629	264	24327	1328
	25	3354	4629	235	24327	1413
	26	3354	4629	128	24044	1364
	27	3354	4629	98	23761	1294
	28	3354	4629	185	23478	1301
	29	3354	4629	215	23478	1307
	30	3061	4224	191	23185	1316
	31					

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	544		12		843		543		541	
	Description	WLA BOD5 Value		WLA Adjusted Value		WLA BOD5 Discharged		WLA 7 Day Sum Of WLA Values		WLA 7 Day Sum Of BOD5 Discharged	
	Units	lbs/day		lbs/day		lbs/day		lbs/day		lbs/day	
Summary Values	Monthly Avg	3097.4		4274.5		162.333333333		22845.1		1099.766666667	
	Daily Max	3797		5240		264		34828		1479	
	Daily Max - Variable					264				1479	
	Daily Min	2298		3171		81		16086		650	
	Geometric Mean -										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
	% Exceedance										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Max - Variable					0	0			0	0
	Daily Min										
	Geometric Mean -										
	Weekly Avg										
	% Exceedance										
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	601	101	601	601
	Description	River Monitoring	Effluent Reuse	River Monitoring	River Monitoring
	Parameter	400	671	399	401
	Description	WLA Previous Day River Flow	Flow Unregulated	WLA Previous 4 Day Avg River Flow	WLA Previous Day River Temp
	Units	cfs	MGD	cfs	degF
	Sample Type	GAUGE STN	CONTINUOUS	CALCULATED	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	3880	2.897	4588	70
	2	2680	2.734	4198	70
	3	2860	4.144	3708	70
	4	2750	3.726	3380	72
	5	2530	3.841	3043	73
	6	2560	3.029	2705	74
	7	2520	3.323	2675	74
	8	2500	3.352	2590	76
	9	2440	3.626	2528	75
	10	2570	3.642	2505	74
	11	3060	2.703	2508	76
	12	3970	2.515	2643	75
	13	3930	2.339	3010	73
	14	3730	1.987	3383	73
	15	3680	3.874	3673	73
	16	3760	2.861	3828	71
	17	3790	2.666	3775	71
	18	3740	3.151	3740	70
	19	3700	3.321	3743	68
	20	3660	3.129	3748	69
	21	3430	3.105	3723	69
	22	3750	3.161	3633	70
	23	3730	3.068	3635	70
	24	3800	2.850	3643	72
	25	3780	2.408	3678	72
	26	3730	3.336	3765	72
	27	3760	2.930	3760	72
	28	3740	2.845	3768	73
	29	3080	3.744	3753	74
	30	2650	3.847	3578	75
	31				

	Sample Point	601		101		601		601	
	Description	River Monitoring		Effluent Reuse		River Monitoring		River Monitoring	
	Parameter	400		671		399		401	
	Description	WLA Previous Day River Flow		Flow Unregulated		WLA Previous 4 Day Avg River Flow		WLA Previous Day River Temp	
	Units	cfs		MGD		cfs		degF	
Summary Values	Monthly Avg	3325.333333333		3.138466667		3430.233333333		72.2	
	Daily Max	3970		4.144		4588		76	
	Daily Max - Variable								
	Daily Min	2440		1.987		2505		68	
	Geometric Mean -								
	Week 1 Avg								
	Week 2 Avg								
	Week 3 Avg								
	Week 4 Avg								
	% Exceedance								
	% Exceedance								
Limit(s) in Effect	Monthly Avg								
	Daily Max								
	Daily Max - Variable								
	Daily Min								
	Geometric Mean -								
	Weekly Avg								
	% Exceedance								
QA/QC Information	LOD								
	LOQ								
	QC Exceedance	N		N		N		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

6-7 BOD Blank of 0.25
6-11 BOD GGA of 246
6-14 BOD Blank of 0.28
6-27 BOD Blank of 0.7
6-28 BOD Blank of 0.49

Submitted by Brian Helminger on 07/09/2026 7:32:27 AM