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:	10/01/2026 - 10/31/2026
Form Due Date:	11/21/2026
Permit Number:	0031232

Date Received:	
DOC:	610924
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	- 101 sample point (Effluent Reuse)
No	- 112 sample point (BLENDING)
Yes	- 001 sample point (Effluent)
Yes	- 601 sample point (River Monitoring)

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Facility Name: HEART OF THE VALLEY METRO SEWERAGE DISTRICT
Contact Address: 801 Thilmany Rd
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Phone Number: 920-766-5731
Reporting Period: 10/01/2026 - 10/31/2026
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	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	211	66	457	87	133
	Description	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	MGD	mg/L	mg/L	ug/L	ug/L
	Sample Type	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	MONTHLY	MONTHLY
Sample Results	Day 1	7.222	174	192		
	2	7.253	178	188		
	3	6.712	158	144		
	4	6.812	178	200		
	5	6.622	228	212		
	6	6.479	214	184	0.3	3.6
	7	6.230	212	216		
	8	6.348	209	212		
	9	6.116	208	208		
	10	6.080	218	204		
	11	6.183	219	224		
	12	6.252	195	156		
	13	5.886	262	228		
	14	5.893	226	232		
	15	7.815	218	228		
	16	10.003	144	92		
	17	8.058	168	192		
	18	7.637	178	168		
	19	7.209	217	284		
	20	6.844	210	204		
	21	6.726	216	216		
	22	6.412	216	268		
	23	6.293	269	200		
	24	6.151	220	172		
	25	6.274	218	188		
	26	6.023	228	252		
	27	5.875	230	272		
	28	5.926	275	248		
	29	6.195	286	248		
	30	6.005	244	212		
	31	5.783	246	228		

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	211	66	457	87	133
	Description	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	MGD	mg/L	mg/L	ug/L	ug/L
Summary Values	**Monthly Avg**	6.623129032	214.903225806	208.774193548	0.3	3.6
	Daily Max	10.003	286	284	0.3	3.6
	Daily Max - Variable					
	Daily Min	5.783	144	92	0.3	3.6
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Daily Max					
	Daily Max - Variable					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0.3	1.3
	LOQ				1	4.3
	QC Exceedance	N	Y	N	N	N
	Lab Certification		405132750	445023150	445023150	445023150

	Sample Point	701	701	701	701	101
	Description	Influent	Influent	Influent	Influent	Effluent Reuse
	Parameter	147	264	315	553	671
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated
	Units	ug/L	ug/L	ug/L	ug/L	MGD
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	CONTINUOUS
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	DAILY
Sample Results	**Day 1**					3.082
	2					2.342
	3					1.483
	4					2.903
	5					3.386
	6	51	<3.5	13	119	3.484
	7					3.436
	8					3.388
	9					2.728
	10					3.282
	11					3.165
	12					3.684
	13					3.280
	14					3.215
	15					2.931
	16					2.841
	17					2.655
	18					2.191
	19					3.096
	20					3.365
	21					3.214
	22					3.121
	23					3.078
	24					2.832
	25					3.609
	26					3.346
	27					2.909
	28					3.360
	29					3.439
	30					2.622
	31					0

	Sample Point	701	701	701	701	101
	Description	Influent	Influent	Influent	Influent	Effluent Reuse
	Parameter	147	264	315	553	671
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated
	Units	ug/L	ug/L	ug/L	ug/L	MGD
Summary Values	**Monthly Avg**	51	0	13	119	2.950548387
	Daily Max	51	<3.5	13	119	3.684
	Daily Max - Variable					
	Daily Min	51	<3.5	13	119	0
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Daily Max					
	Daily Max - Variable					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**	0.8	3.5	1.3	4.3	
	LOQ	2.7	12	4.3	14	
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150	445023150	445023150	445023150	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	211	66	457	457	457
	Description	Flow Rate	BOD5, Total	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	MGD	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY	MONTHLY
Sample Results	**Day 1**	4.140	4.3	3.6	124	
	2	4.911	5.8	3.2	131	
	3	5.229	6.6	2.4	105	
	4	3.909	6.0	3.8	124	
	5	3.236	5.1	3.4	92	
	6	2.995	6.2	3.8	95	
	7	2.794	8.3	5.0	117	
	8	2.960	9.0	5.0	123	
	9	3.388	7.7	7.2	203	
	10	2.798	8.0	6.0	140	
	11	3.018	6.5	6.8	171	
	12	2.568	8.2	8.0	171	
	13	2.606	7.9	7.4	161	
	14	2.678	8.0	6.4	143	
	15	4.884	5.7	6.0	244	
	16	7.162	4.6	7.0	418	
	17	5.403	4.0	3.8	171	
	18	5.446	3.7	3.6	164	
	19	4.113	4.7	3.8	130	
	20	3.479	9.0	4.6	133	
	21	3.512	10.3	5.8	170	
	22	3.291	6.3	5.0	137	
	23	3.215	4.9	4.6	123	
	24	3.319	5.4	4.4	122	
	25	2.665	5.2	3.8	84	
	26	2.677	6.3	4.2	94	
	27	2.966	7.1	4.0	99	
	28	2.566	8.4	7.4	158	
	29	2.756	6.2	7.0	161	
	30	3.383	7.1	6.4	181	
	31	5.783	6.3	6.8	328	4819

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	211		66		457		457		457	
	Description	Flow Rate		BOD5, Total		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total	
	Units	MGD		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	3.672580645		6.541935484		5.167741935		155.387096774		4819	
	Daily Max	7.162		10.3		8		418		4819	
	Daily Max - Variable										
	Daily Min	2.566		3.7		2.4		84		4819	
	Week 1 Avg			6.042857143		3.6		112.571428571			
	Week 2 Avg			7.9		6.685714286		158.857142857			
	Week 3 Avg			6		4.942857143		204.285714286			
	Week 4 Avg			6.228571429		4.771428571		116.714285714			
Limit(s) in Effect	**Monthly Avg**			30	0	30	0	700	0		
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Weekly Avg			45	0	45	0	1100	0		
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445023150		445023150					

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	457	377	789	388	388
	Description	Suspended Solids, Total	pH Field	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total
	Units	lbs/yr	su	mg/L	mg/L	lbs/day
	Sample Type	CALCULATED	GRAB	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED
	Frequency	MONTHLY	DAILY	DAILY	DAILY	DAILY
Sample Results	**Day 1**		7.9	0.26	0.37	12.78
	2		7.8	0.10	0.32	13.11
	3		7.8	0.12	0.32	13.96
	4		7.7	0.05	0.26	8.48
	5		7.8	0.12	0.30	8.10
	6		8.0	0.14	0.27	6.74
	7		7.7	0.09	0.26	6.06
	8		7.8	0.24	0.26	6.42
	9		7.8	0.12	0.24	6.78
	10		7.8	0.09	0.23	5.37
	11		7.8	0.12	0.22	5.54
	12		7.7	0.14	0.23	4.93
	13		7.9	0.15	0.28	6.09
	14		7.7	0.38	0.30	6.70
	15		7.8	0.38	0.32	13.03
	16		7.7	0.21	0.47	28.07
	17		8.1	0.19	0.41	18.48
	18		8.0	0.19	0.38	17.26
	19		7.7	0.09	0.36	12.35
	20		7.8	0.13	0.36	10.45
	21		7.7	0.13	0.41	12.01
	22		7.7	0.14	0.29	7.96
	23		7.7	0.08	0.30	8.04
	24		7.9	0.17	0.32	8.86
	25		7.9	0.25	0.28	5.22
	26		7.7	0.16	0.30	6.70
	27		8.0	0.37	0.28	6.93
	28		7.7	0.18	0.28	5.99
	29		7.8	0.28	0.31	7.13
	30		7.7	0.48	0.34	9.59
	31	67956	8.3	0.29	0.37	17.85

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	457		377		789		388		388	
	Description	Suspended Solids, Total		pH Field		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total	
	Units	lbs/yr		su		mg/L		mg/L		lbs/day	
Summary Values	**Monthly Avg**	67956		7.819354839		0.188387097		0.310967742		9.902580645	
	Daily Max	67956		8.3		0.48		0.47		28.07	
	Daily Max - Variable										
	Daily Min	67956		7.7		0.05		0.22		4.93	
	Week 1 Avg					0.125714286					
	Week 2 Avg					0.177142857					
	Week 3 Avg					0.188571429					
	Week 4 Avg					0.192857143					
Limit(s) in Effect	**Monthly Avg**					18	0	1	0	31.5	0
	Daily Max			9	0	17	0				
	Daily Max - Variable										
	Daily Min			6	0						
	Weekly Avg					17	0				
QA/QC Information	**LOD**					0.027		0.026			
	LOQ					0.026		0.087			
	QC Exceedance	N		N		N		N		N	
	Lab Certification					445023150		445023150			

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	388	388	87	133	147
	Description	Phosphorus, Total	Phosphorus, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable
	Units	lbs/month	lbs/yr	ug/L	ug/L	ug/L
	Sample Type	CALCULATED	CALCULATED	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	4.3
	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	307.94	2632.64			

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	388	388	87	133	147
	Description	Phosphorus, Total	Phosphorus, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable
	Units	lbs/month	lbs/yr	ug/L	ug/L	ug/L
Summary Values	**Monthly Avg**	307.94	2632.64	0	0	4.3
	Daily Max	307.94	2632.64	<0.3	<1.3	4.3
	Daily Max - Variable					
	Daily Min	307.94	2632.64	<0.3	<1.3	4.3
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Daily Max					
	Daily Max - Variable					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**			0.3	1.3	0.8
	LOQ			1	4.3	2.7
	QC Exceedance	N	N	N	N	N
	Lab Certification			445023150	445023150	445023150

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	264	315	553	544	12
	Description	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	WLA BOD5 Value	WLA Adjusted Value
	Units	ug/L	ug/L	ug/L	lbs/day	lbs/day
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	SEE TABLE	CALCULATED
	Frequency	MONTHLY	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1				5323	7346
	2				5323	7346
	3				5323	7346
	4				5568	7684
	5				5568	7684
	6	<3.5	10	16	5568	7684
	7				5568	7684
	8				4087	5640
	9				4087	5640
	10				3385	4671
	11				3385	4671
	12				2978	4110
	13				2978	4110
	14				2978	4110
	15				2978	4110
	16				2978	4110
	17				3097	4274
	18				4249	5864
	19				4249	5864
	20				4249	5864
	21				4249	5864
	22				3444	4753
	23				3444	4753
	24				3444	4753
	25				3444	4753
	26				3444	4753
	27				3444	4753
	28				4249	5864
	29				4249	5864
	30				4249	5864
	31				3444	4753

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	264	315	553	544	12
	Description	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	WLA BOD5 Value	WLA Adjusted Value
	Units	ug/L	ug/L	ug/L	lbs/day	lbs/day
Summary Values	**Monthly Avg**	0	10	16	4033	5565.774193548
	Daily Max	<3.5	10	16	5568	7684
	Daily Max - Variable					
	Daily Min	<3.5	10	16	2978	4110
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Daily Max					
	Daily Max - Variable					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**	3.5	1.3	4.3		
	LOQ	12	4.3	14		
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150	445023150	445023150		

	Sample Point	001	001	001	601	601
	Description	Effluent	Effluent	Effluent	River Monitoring	River Monitoring
	Parameter	843	543	541	399	401
	Description	WLA BOD5 Discharged	WLA 7 Day Sum Of WLA Values	WLA 7 Day Sum Of BOD5 Discharged	WLA Previous 4 Day Avg River Flow	WLA Previous Day River Temp
	Units	lbs/day	lbs/day	lbs/day	cfs	degF
	Sample Type	CALCULATED	CALCULATED	CALCULATED	CALCULATED	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	**Day 1**	147	37651	1744	6253	67
	2	238	37406	1661	6105	66
	3	286	37161	1616	5930	66
	4	197	37521	1511	5775	65
	5	137	37881	1487	5693	65
	6	156	37881	1385	5540	64
	7	194	38241	1355	5278	63
	8	223	37005	1430	4845	62
	9	218	35769	1410	4283	62
	10	187	33831	1311	3853	62
	11	164	31648	1279	3553	62
	12	176	29058	1318	3388	63
	13	171	26468	1333	3353	64
	14	178	23878	1317	3283	65
	15	233	22769	1328	3225	65
	16	275	21660	1385	3200	62
	17	180	21372	1378	3208	60
	18	168	22236	1382	3258	57
	19	160	23507	1365	3368	56
	20	260	24778	1454	3473	56
	21	302	26049	1578	3475	57
	22	172	26515	1517	3435	58
	23	131	26981	1373	3358	58
	24	148	27328	1341	3275	59
	25	116	26523	1290	3298	59
	26	140	25718	1270	3333	59
	27	176	24913	1186	3338	58
	28	180	24913	1064	3338	57
	29	143	25718	1035	3333	57
	30	199	26523	1103	3320	57
	31	305	26523	1260	3320	58

	Sample Point	001		001		001		601		601	
	Description	Effluent		Effluent		Effluent		River Monitoring		River Monitoring	
	Parameter	843		543		541		399		401	
	Description	WLA BOD5 Discharged		WLA 7 Day Sum Of WLA Values		WLA 7 Day Sum Of BOD5 Discharged		WLA Previous 4 Day Avg River Flow		WLA Previous Day River Temp	
	Units	lbs/day		lbs/day		lbs/day		cfs		degF	
Summary Values	**Monthly Avg**	192.258064516		29207.258064516		1369.870967742		3989.903225806		60.935483871	
	Daily Max	305		38241		1744		6253		67	
	Daily Max - Variable	305				1744					
	Daily Min	116		21372		1035		3200		56	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**										
	Daily Max										
	Daily Max - Variable	0	0			0	0				
	Daily Min										
	Weekly Avg										
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		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

GGA: 10-8 (229.5) 10-15 (229.8) 10-22 (241.9) 10-29 (235.6) [4 Total]

Blanks: 10-4 (0.5) 10-5(0.8) 10-11 (0.44) 10-12 (0.33) 10-14 (0.45) 10-16 (0.26) 10-21(0.47)
10-22 (0.28) 10-24 (0.51) 10-25 (0.64) 10-27 (0.44) 10-28 (0.25)10-31(0.31) [13 Total]

Submitted by Brian Helminger on 11/16/2026 8:09:44 AM