

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: 03/01/2026 - 03/31/2026
Form Due Date: 04/21/2026
Permit Number: 0031232

Date Received:	
DOC:	592736
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)

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 Helming, District Director
 Phone Number: 920-766-5731
 Reporting Period: 03/01/2026 - 03/31/2026
 Form Due Date: 04/21/2026
 Permit Number: 0031232

Date Received:
 DOC: 592736
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Jennifer K Jerich
 Reviewer: Barti Oumarou
 Office: Oshkosh

	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	6.134	3.140	6.2	207	4.4
	2	6.288	3.475	4.0	200	4.6
	3	6.051	2.456	3.7	216	5.2
	4	5.871	2.361	4.1	210	7.2
	5	5.903	2.663	2.3	217	10.4
	6	6.730	4.903	4.7	132	6.8
	7	12.547	10.035	2.4	61	3.6
	8	10.610	8.652	2.3	126	2.0
	9	8.864	5.657	2.2	127	2.6
	10	8.282	5.377	2.0	132	2.8
	11	8.019	5.212	3.2	162	2.6
	12	7.773	4.927	2.3	173	3.8
	13	8.030	5.235	2.3	115	3.0
	14	8.015	5.098	6.4	109	2.6
	15	7.580	4.890	3.0	147	3.2
	16	7.519	4.732	3.6	142	2.8
	17	7.269	4.439	4.4	171	3.8
	18	7.039	4.375	5.3	152	2.2
	19	8.411	4.909	4.3	140	3.0
	20	11.239	8.071	4.0	118	3.0
	21	14.219	11.426	3.7	75	3.2
	22	15.445	13.243	2.5	72	2.4
	23	13.367	10.975	6.0	92	2.8
	24	11.666	7.094	5.6	101	2.6
	25	12.138	8.647	7.9	121	2.8
	26	12.346	9.138	4.7	147	3.2
	27	10.549	7.293	5.9	117	2.4
	28	9.701	6.629	5.4	124	3.4
	29	9.342	6.725	8.0	91	5.0
	30	9.167	6.938	5.7	122	6.0
	31	9.500	6.729	5.9	127	3.6

	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	9.213354839	6.304645161	4.322580645	136.967741935	3.774193548
	Daily Max	15.445	13.243	8	217	10.4
	Daily Min	5.871	2.361	2	61	2
	Week 1 Avg			3.914285714		6.028571429
	Week 2 Avg			2.957142857		2.771428571
	Week 3 Avg			4.042857143		3.028571429
	Week 4 Avg			5.428571429		2.8
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	220		115		
	2	200		133		
	3	216	<0.3	107	2.3	
	4	232		142		
	5	228		231		
	6	160		278		
	7	96		301		
	8	144		144		
	9	168		123		
	10	188		126		
	11	164		113		
	12	132		156		
	13	144		131		
	14	176		111		
	15	128		131		
	16	152		111		
	17	76		141		
	18	152		80		
	19	164		123		
	20	184		202		
	21	160		305		
	22	144		265		
	23	72		256		
	24	108		154		
	25	124		202		
	26	104		244		
	27	100		146		
	28	135		188		
	29	152		280		
	30	120		347		
	31	108		202		5767

	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	150.032258065	0	180.258064516	2.3	5767
	Daily Max	232	<0.3	347	2.3	5767
	Daily Min	72	<0.3	80	2.3	5767
	Week 1 Avg			186.714285714		
	Week 2 Avg			129.142857143		
	Week 3 Avg			156.142857143		
	Week 4 Avg			207.857142857		
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			8.1		
	2			7.7		
	3		54	7.9	<3.5	13
	4			7.7		
	5			7.8		
	6			7.8		
	7			7.8		
	8			7.7		
	9			8.0		
	10			7.8		
	11			8.1		
	12			7.8		
	13			7.8		
	14			8.1		
	15			8.2		
	16			7.8		
	17			7.8		
	18			7.8		
	19			8.0		
	20			7.9		
	21			8.3		
	22			7.9		
	23			8.0		
	24			7.8		
	25			7.9		
	26			7.9		
	27			7.9		
	28			7.8		
	29			7.8		
	30			7.9		
	31		13161		7.9	

	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	13161	54	7.893548387	0	13
	Daily Max	13161	54	8.3	<3.5	13
	Daily Min	13161	54	7.7	<3.5	13
	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		0.9	0.30	7.86	
	2		0.23	0.21	6.09	
	3	127	0.59	0.21	4.30	
	4		0.34	0.16	3.15	
	5		0.29	0.12	2.67	
	6		0.41	0.14	5.72	
	7		0.07	0.18	15.06	
	8		0.07	0.11	7.94	
	9		0.11	0.12	5.66	
	10		0.10	0.10	4.48	
	11		0.10	0.09	3.91	
	12		0.21	0.12	4.93	
	13		0.26	0.13	5.68	
	14		0.21	0.11	4.68	
	15		0.39	0.13	5.30	
	16		0.23	0.12	4.74	
	17		0.19	0.12	4.44	
	18		0.17	0.10	3.65	
	19		0.34	0.11	4.50	
	20		0.15	0.43	28.94	
	21		0.05	0.20	19.06	
	22		<0.027	0.06	6.63	
	23		<0.027	0.06	5.49	
	24		0.03	0.07	4.14	
	25		<0.027	0.08	5.77	
	26		<0.027	0.06	4.57	
	27		0.05	0.22	13.38	
	28		0.06	0.18	9.95	
	29		0.15	0.11	6.17	
	30		0.08	0.09	5.21	
	31		0.08	0.09	5.05	226.19

	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	127	0.189032258	0.139677419	7.068387097	226.19		
	Daily Max	127	0.9	0.43	28.94	226.19		
	Daily Min	127	<0.027	0.06	2.67	226.19		
	Week 1 Avg		0.404285714					
	Week 2 Avg		0.151428571					
	Week 3 Avg		0.217142857					
	Week 4 Avg		0.02					
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	4.8	<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					
	29					
	30					
	31		663.27			

	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	663.27		0		0		4.8		0	
	Daily Max	663.27		<0.3		<1.3		4.8		<3.5	
	Daily Min	663.27		<0.3		<1.3		4.8		<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			2.994
	2			2.813
	3	11	30	3.595
	4			3.510
	5			3.240
	6			1.827
	7			2.512
	8			1.958
	9			3.207
	10			2.905
	11			2.807
	12			2.846
	13			2.795
	14			2.917
	15			2.690
	16			2.787
	17			2.830
	18			2.664
	19			3.502
	20			3.168
	21			2.793
	22			2.202
	23			2.392
	24			4.572
	25			3.491
	26			3.208
	27			3.256
	28			3.072
	29			2.617
	30			2.229
	31			2.771

	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	11	30	2.908709677
	Daily Max	11	30	4.572
	Daily Min	11	30	1.827
	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

3-23 ,3-25,3-26 (Final Effluent NH3 below LOD of 0.027)

BOD Blanks: 3-2(0.3),3-4 (0.38),3-8(0.29),3-14(0.41)

Submitted by Brian Helminger on 04/20/2026 7:36:04 AM