

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: 12/01/2025 - 12/31/2025
Form Due Date: 01/21/2026
Permit Number: 0031232

Date Received:	
DOC:	583450
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)
No - 112 sample point (In-Plant Diversion)

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	Sample Point	001	701	701	701	701
	Description	Effluent	Influent	Influent	Influent	Influent
	Parameter	211	211	66	457	87
	Description	Flow Rate	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable
	Units	MGD	MGD	mg/L	mg/L	ug/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	2.121	4.999	275	244	<0.3
	2	1.736	4.932	277	240	
	3	2.279	4.922	248	248	
	4	1.868	4.985	234	256	
	5	2.164	5.061	248	228	
	6	2.193	4.874	218	232	
	7	2.236	4.950	238	264	
	8	2.120	5.166	221	248	
	9	2.198	4.989	240	220	
	10	2.490	4.828	264	236	
	11	1.877	5.029	265	244	
	12	2.321	5.004	238	216	
	13	2.245	4.786	230	208	
	14	2.600	5.052	297	204	
	15	2.667	5.010	226	252	
	16	2.185	4.938	231	256	
	17	2.462	5.234	262	196	
	18	3.093	5.775	266	208	
	19	2.898	5.680	216	180	
	20	2.964	5.539	215	260	
	21	2.674	5.447	230	264	
	22	3.152	5.801	290	288	
	23	3.117	5.718	240	260	
	24	2.752	5.436	226	168	
	25	2.256	5.120	233	228	
	26	2.595	5.572	223	252	
	27	2.301	5.403	119	76	
	28	3.968	6.553	279	192	
	29	4.458	7.253	172	156	
	30	3.770	6.489	194	188	
	31	3.408	6.073	268	220	

	Sample Point	001		701		701		701		701	
	Description	Effluent		Influent		Influent		Influent		Influent	
	Parameter	211		211		66		457		87	
	Description	Flow Rate		Flow Rate		BOD5, Total		Suspended Solids, Total		Cadmium, Total Recoverable	
	Units	MGD		MGD		mg/L		mg/L		ug/L	
Summary Values	Monthly Avg	2.618322581		5.374774194		238.161290323		223.612903226		0	
	Daily Max	4.458		7.253		297		288		<0.3	
	Daily Min	1.736		4.786		119		76		<0.3	
	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	
	LOQ									1	
	QC Exceedance	N		N		Y		N		N	
	Lab Certification					445005220		445005220		445023150	

	Sample Point	701	701	701	701	701
	Description	Influent	Influent	Influent	Influent	Influent
	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	5.3	43	<3.5	7.4	79
	2					
	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	701		701		701		701		701	
	Description	Influent		Influent		Influent		Influent		Influent	
	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	5.3		43		0		7.4		79	
	Daily Max	5.3		43		<3.5		7.4		79	
	Daily Min	5.3		43		<3.5		7.4		79	
	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		0.8		3.5		1.3		4.3	
	LOQ	4.3		2.7		12		4.3		14	
	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	66	377	457	457	1348
	Description	BOD5, Total	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	mg/L	su	mg/L	lbs/day	lbs/month
	Sample Type	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	5/WEEK	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	6	7.8	12.8	226	0
	2	4	7.8	14.0	203	0
	3	6	7.9	11.6	220	0
	4	5	7.7	11.5	179	0
	5	5	7.7	18.0	325	0
	6	4	7.8	16.0	293	0
	7	4	7.6	15.3	285	0
	8	4	7.7	15.3	271	0
	9	4	8.0	9.0	165	0
	10	4	7.8	10.0	208	0
	11	4	7.7	12.5	196	0
	12	4	8.1	9.6	186	0
	13	4	7.6	12.4	232	0
	14	5	7.8	16.5	358	0
	15	6	7.9	11.5	256	0
	16	5	7.9	7.5	137	0
	17	6	7.8	15.5	318	0
	18	4	7.8	10.0	258	0
	19	6	7.8	13.5	326	0
	20	6	7.7	14.5	358	0
	21	6	8.2	9.3	207	0
	22	6	7.7	5.0	131	0
	23	5	7.9	6.3	164	0
	24	6	8.2	6.7	154	0
	25	5	7.7	6.3	119	0
	26	5	8.3	5.0	108	0
	27	4	8.0	5.4	104	0
	28	4	7.6	4.4	146	0
	29	4	7.7	4.0	149	0
	30	3	7.7	3.2	101	0
	31	4	7.7	3.4	97	0

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	66		377		457		457		1348	
	Description	BOD5, Total		pH Field		Suspended Solids, Total		Suspended Solids, Total		WQT Credits Used (TSS)	
	Units	mg/L		su		mg/L		lbs/day		lbs/month	
Summary Values	Monthly Avg	4.774193548		7.825806452		10.193548387		209.032258065		0	
	Daily Max	6		8.3		18		358		0	
	Daily Min	3		7.6		3.2		97		0	
	Week 1 Avg	4.857142857				14.171428571					
	Week 2 Avg	4.142857143				12.185714286					
	Week 3 Avg	5.571428571				11.685714286					
	Week 4 Avg	5				5.585714286					
Limit(s) in Effect	Monthly Avg	30	0			30	0				
	Daily Max			9	0						
	Daily Min			6	0						
	Weekly Avg	45	0			45	0				
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445005220				445005220					

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	1347	388	388	789	87
	Description	WQT Computed Compliance (TSS)	Phosphorus, Total	Phosphorus, Total	Nitrogen, Ammonia (NH3-N) Total	Cadmium, Total Recoverable
	Units	lbs/day	mg/L	lbs/day	mg/L	ug/L
	Sample Type	CALCULATED	24 HR FLOW PROP	CALCULATED	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	5/WEEK	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	226	0.28	4.95	0.1	<0.3
	2	203	0.29	4.20	0.7	
	3	220	0.31	5.89	0.4	
	4	179	0.27	4.21	0.4	
	5	325	0.30	5.41		
	6	293	0.38	6.95		
	7	285	0.29	5.41	0.03	
	8	271	0.22	3.89	0.33	
	9	165	0.21	3.85	0.09	
	10	208	0.22	4.57	<0.027	
	11	196	0.22	3.44	0.13	
	12	186	0.27	5.23		
	13	232	0.28	5.24		
	14	358	0.25	5.42	0.06	
	15	256	0.42	9.34	0.67	
	16	137	0.25	4.56	0.03	
	17	318	0.23	4.72	0.07	
	18	258	0.22	5.68	0.06	
	19	326	0.29	7.01		
	20	358	0.31	7.66		
	21	207	0.40	8.92	0.10	
	22	131	0.35	9.20	0.21	
	23	164	0.37	9.62	0.26	
	24	154	0.35	8.03	0.12	
	25	119	0.35	6.59	0.20	
	26	108	0.38	8.22		
	27	104	0.43	8.25		
	28	146	0.36	11.91	0.18	
	29	149	0.28	10.41	0.11	
	30	101	0.25	7.86	0.25	
	31	97	0.34	9.66		

	Sample Point	001		001		001		001		001	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	1347		388		388		789		87	
	Description	WQT Computed Compliance (TSS)		Phosphorus, Total		Phosphorus, Total		Nitrogen, Ammonia (NH3-N) Total		Cadmium, Total Recoverable	
	Units	lbs/day		mg/L		lbs/day		mg/L		ug/L	
Summary Values	Monthly Avg	209.032258065		0.302258065		6.65483871		0.204545455		0	
	Daily Max	358		0.43		11.91		0.7		<0.3	
	Daily Min	97		0.21		3.44		<0.027		<0.3	
	Week 1 Avg	247.285714286						0.326			
	Week 2 Avg	230.857142857						0.122			
	Week 3 Avg	265.714285714						0.186			
	Week 4 Avg	132.285714286						0.194			
Limit(s) in Effect	Monthly Avg	801	0	1	0			18	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					17	0		
QA/QC Information	LOD			0.026				0.027		0.3	
	LOQ			0.087				0.09		1	
	QC Exceedance	N		Y		N		Y		N	
	Lab Certification			445005220				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	<1.3	3.4	<3.5	11	27
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	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	0		3.4		0		11		27	
	Daily Max	<1.3		3.4		<3.5		11		27	
	Daily Min	<1.3		3.4		<3.5		11		27	
	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		0.8		3.5		1.3		4.3	
	LOQ	4.3		2.7		12		4.3		14	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445023150		445023150		445023150		445023150	

	Sample Point	101
	Description	Effluent Reuse
	Parameter	671
	Description	Flow Unregulated
	Units	MGD
	Sample Type	CONTINUOUS
	Frequency	DAILY
Sample Results	Day 1	2.878
	2	3.196
	3	2.643
	4	3.117
	5	2.897
	6	2.681
	7	2.714
	8	3.046
	9	2.791
	10	2.338
	11	3.152
	12	2.683
	13	2.541
	14	2.452
	15	2.343
	16	2.753
	17	2.772
	18	2.682
	19	2.782
	20	2.575
	21	2.773
	22	2.649
	23	2.601
	24	2.684
	25	2.867
	26	2.977
	27	3.102
	28	2.585
	29	2.795
	30	2.719
	31	2.665

	Sample Point	101	
	Description	Effluent Reuse	
	Parameter	671	
	Description	Flow Unregulated	
	Units	MGD	
Summary Values	Monthly Avg	2.756548387	
	Daily Max	3.196	
	Daily Min	2.338	
	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		
	LOQ		
	QC Exceedance	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

BOD BLANKS: 12-5(0.37),12-12(0.30),12-25(0.32),12-31(0.25)
NH3-N Check Standard 1.0 ppm:
12-4(0.807),12-5(1.189),12-8(1.145),12-10(0.714),12-11(1.195),12-25(1.47),12-26(1.382),12-29(1.13),12-31(1.405)
TP Blank:12-8(0.027),12-10(0.027),12-24(0.033),12-25(0.027),12-31(0.031)

Submitted by Brian Helming on 01/07/2026 7:27:09 AM