

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: 08/01/2026 - 08/31/2026
Form Due Date: 09/21/2026
Permit Number: 0031232

Date Received:	
DOC:	604383
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	7.999	4.823	3.1	138	3.2
	2	7.174	3.724	<2.0	51	3.8
	3	6.890	3.496	4.6	172	6.0
	4	6.558	2.744	5.4	217	3.6
	5	6.376	2.849	7.1	202	5.6
	6	6.463	2.903	5.7	276	4.6
	7	6.211	2.807	5.2	177	5.2
	8	6.015	2.593	4.3	193	4.4
	9	6.445	3.298	5.6	200	4.6
	10	6.526	4.133	6.6	232	3.4
	11	6.179	2.298	4.9	208	4.4
	12	6.193	2.665	4.4	209	4.8
	13	6.159	2.473	4.1	222	4.0
	14	6.022	2.147	5.8	220	5.2
	15	5.595	1.796	4.7	188	6.6
	16	5.683	1.894	5.3	218	5.8
	17	6.056	2.234	4.7	212	5.6
	18	5.889	2.424	4.4	210	5.2
	19	5.542	2.208	6.7	262	5.2
	20	5.667	2.574	4.2	208	6.6
	21	6.621	3.675	6.0	254	4.6
	22	6.166	3.441	3.7	287	4.4
	23	6.128	3.624	3.2	211	4.0
	24	6.252	3.470	3.6	224	4.2
	25	5.869	3.191	7.1	214	5.8
	26	5.961	2.646	5.8	228	4.8
	27	5.927	2.293	5.0	217	5.4
	28	5.776	2.203	6.0	210	8.4
	29	5.461	2.226	6.2	217	8.0
	30	5.700	2.307	7.4	232	7.0
	31	6.004	2.767	6.6	232	14.8

	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	6.177645161		2.836322581		5.077419355		211		5.458064516	
	Daily Max	7.999		4.823		7.4		287		14.8	
	Daily Max - Variable										
	Daily Min	5.461		1.796		<2		51		3.2	
	Geometric Mean -										
	Week 1 Avg					4.442857143				4.571428571	
	Week 2 Avg					5.1				4.4	
	Week 3 Avg					5.142857143				5.657142857	
	Week 4 Avg					4.914285714				5.285714286	
	% 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		Y		Y		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	144		129		
	2	228		118		
	3	192		175		
	4	220	<0.3	82	4.7	
	5	128		133		
	6	216		111		
	7	200		122		
	8	252		95		
	9	156		127		
	10	264		117		
	11	180		84		
	12	272		107		
	13	208		82		
	14	240		93		
	15	264		99		
	16	256		92		
	17	248		104		
	18	200		105		
	19	268		96		
	20	268		142		
	21	220		141		
	22	204		126		
	23	192		121		
	24	244		122		
	25	220		154		
	26	256		106		
	27	248		103		
	28	300		154		
	29	232		149		
	30	196		135		
	31	252		342		4134

	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	224.774193548		0		124.709677419		4.7		4134	
	Daily Max	300		<0.3		342		4.7		4134	
	Daily Max - Variable										
	Daily Min	128		<0.3		82		4.7		4134	
	Geometric Mean -										
	Week 1 Avg					124.285714286					
	Week 2 Avg					100.714285714					
	Week 3 Avg					111.285714286					
	Week 4 Avg					126.571428571					
	% 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			0.3				1.3			
	LOQ			1				4.3			
	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				7.9	
	3				7.7	
	4	77		<3.5	7.7	12
	5				7.4	
	6				7.3	
	7				7.8	
	8				8.2	
	9				7.6	
	10				7.8	
	11				7.7	
	12				7.8	
	13				7.9	
	14				7.7	
	15				7.7	
	16				7.8	
	17				7.8	
	18				7.7	
	19				7.8	
	20				7.7	
	21				7.8	
	22				7.8	
	23				7.8	
	24				7.9	
	25				7.8	
	26				7.7	
	27				7.8	
	28				7.8	
	29				7.8	
	30				7.7	
	31		51882		7.7	

	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	77	51882	0	7.75483871	12
	Daily Max	77	51882	<3.5	8.2	12
	Daily Max - Variable					
	Daily Min	77	51882	<3.5	7.3	12
	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	0.8		3.5		1.3
	LOQ	2.7		12		4.3
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150		445023150		445023150

	Sample Point	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	0.12
	2				<100	0.10
	3				<100	0.11
	4	0	148		<100	0.17
	5				<100	0.35
	6	0			<100	0.15
	7				<100	0.69
	8				<100	0.45
	9				<100	0.54
	10				<100	0.21
	11	5.0			<100	0.37
	12				<100	0.23
	13	0			<100	0.24
	14				<100	0.34
	15				<100	0.69
	16				<100	0.39
	17				<100	0.22
	18	0			<100	0.83
	19				<100	0.37
	20				<100	0.23
	21				<100	0.27
	22				<100	0.24
	23				<100	0.17
	24	0			<100	0.31
	25				<100	0.34
	26				<100	0.40
	27	0			<100	0.45
	28				<100	0.53
	29				<100	0.35
	30				<100	0.49
	31			0	<100	0.41

	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	0.714285714		148		0		0		0.347096774	
	Daily Max	5		148		0		<100		0.83	
	Daily Max - Variable										
	Daily Min	0		148		0		<100		0.1	
	Geometric Mean -	1.258498951									
	Week 1 Avg							0		0.241428571	
	Week 2 Avg							0		0.34	
	Week 3 Avg							0		0.428571429	
	Week 4 Avg							0		0.348571429	
	% 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	0.25	10.06			
	2	0.22	6.83			
	3	0.23	6.71			
	4	0.39	8.93			<0.3
	5	0.32	7.60			
	6	0.31	7.51			
	7	0.53	12.41			
	8	0.47	10.16			
	9	0.41	11.28			
	10	0.35	12.06			
	11	0.32	6.13			
	12	0.35	7.78			
	13	0.36	7.42			
	14	0.51	9.13			
	15	0.50	7.49			
	16	0.44	6.95			
	17	0.51	9.50			
	18	0.38	7.68			
	19	0.39	7.18			
	20	0.41	8.80			
	21	0.44	13.49			
	22	0.37	10.62			
	23	0.36	10.88			
	24	0.41	11.87			
	25	0.37	9.85			
	26	0.38	8.39			
	27	0.40	7.65			
	28	0.60	11.02			
	29	0.57	10.58			
	30	0.57	10.97			
	31	0.27	6.23	283	1979	

	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	0.399677419		9.134193548		283		1979		0	
	Daily Max	0.6		13.49		283		1979		<0.3	
	Daily Max - Variable										
	Daily Min	0.22		6.13		283		1979		<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								0.3	
	LOQ	0.087								1	
	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					
	3					
	4	<1.3	3.5	<3.5	8.1	27
	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	0		3.5		0		8.1		27	
	Daily Max	<1.3		3.5		<3.5		8.1		27	
	Daily Max - Variable										
	Daily Min	<1.3		3.5		<3.5		8.1		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	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	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	1587	2190	124	11574	767
	2	1681	2320	62	11600	830
	3	1681	2320	135	11451	789
	4	1587	2190	122	11454	782
	5	1587	2190	169	11457	822
	6	1681	2320	138	11471	853
	7	1681	2320	122	11485	873
	8	1681	2320	93	11579	966
	9	1681	2320	154	11579	934
	10	1681	2320	227	11579	1026
	11	1681	2320	95	11673	998
	12	1681	2320	98	11767	927
	13	1488	2053	85	11574	874
	14	1488	2053	103	11381	854
	15	1488	2053	70	11188	531
	16	1534	2117	84	11041	762
	17	1534	2190	87	10947	622
	18	1534	2053	89	10754	616
	19	1534	2117	123	10607	641
	20	1534	2117	91	10653	647
	21	1534	2117	184	10699	728
	22	1534	2117	107	10745	765
	23	1666	2299	96	10877	777
	24	1666	2299	104	10956	794
	25	1666	2299	189	11134	894
	26	1666	2299	129	11266	900
	27	1666	2299	95	11398	904
	28	1534	2117	110	11398	830
	29	1534	2117	115	11398	838
	30	1534	2117	141	11266	884
	31	1534	2117	152	11134	932

	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	1598.64516129		2206.451612903		119.129032258		11260.806451613		818.064516129	
	Daily Max	1681		2320		227		11767		1026	
	Daily Max - Variable					227				1026	
	Daily Min	1488		2053		62		10607		531	
	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	2180	3.176	2220	79
	2	2120	3.450	2243	77
	3	2190	3.394	2165	76
	4	2190	3.814	2160	78
	5	2120	3.527	2170	78
	6	2180	3.560	2155	77
	7	2170	3.404	2170	76
	8	2150	3.422	2165	77
	9	2170	3.147	2155	77
	10	2100	2.393	2168	77
	11	2040	3.881	2148	76
	12	1650	3.528	2115	77
	13	1990	3.686	1990	78
	14	2040	3.875	1945	78
	15	2030	3.799	1930	78
	16	1950	3.789	1928	77
	17	1840	3.822	2003	78
	18	1900	3.465	1965	78
	19	1880	3.334	1930	77
	20	1860	3.093	1893	76
	21	2000	2.946	1870	76
	22	1900	2.725	1910	74
	23	1850	2.504	1910	73
	24	1810	2.782	1903	73
	25	1790	2.678	1890	72
	26	1980	3.315	1838	73
	27	1950	3.634	1858	73
	28	1990	3.573	1883	74
	29	1970	3.235	1928	74
	30	1970	3.393	1973	74
	31	1970	3.237	1970	74

	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	1997.741935484		3.341322581		2017.774193548		75.967741935	
	Daily Max	2190		3.881		2243		79	
	Daily Max - Variable								
	Daily Min	1650		2.393		1838		72	
	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

BOD 8-2 Final BOD under depleted recorded as <2.0

BOD Blank QA Failures:

8-1(0.26),8-4(0.25),8-7(0.32),8-15(0.35),8-23(0.27),8-25(0.77),8-26(0.59),8-29(0.81),8-30(0.52)

BOD GGA Failure: 8-20(293.2)

Submitted by Brian Helminger on 09/15/2026 9:57:16 AM