

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: 10/01/2025 - 10/31/2025
Form Due Date: 11/21/2025
Permit Number: 0031232

Date Received:	
DOC:	583448
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)
Yes	- 006 sample point (WLA BOD5 Discharge Compliance)
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	4.545	5.329	246	228	
	2	5.261	5.357	235	228	
	3	5.477	5.477	260	252	
	4	4.495	5.157	226	176	
	5	4.744	5.226	234	228	
	6	4.574	5.216	301	228	
	7	2.777	5.265	235	308	0.3
	8	2.323	5.088	229	236	
	9	2.273	5.143	248	236	
	10	1.055	5.126	244	228	
	11	1.967	5.020	237	244	
	12	2.208	5.088	248	252	
	13	2.197	5.273	259	228	
	14	1.677	5.295	262	208	
	15	2.806	5.488	242	224	
	16	2.886	5.292	222	236	
	17	2.371	5.534	234	288	
	18	1.697	5.198	196	228	
	19	4.009	6.787	226	204	
	20	3.455	6.046	216	204	
	21	3.595	6.208	206	216	
	22	3.422	6.382	194	168	
	23	3.873	6.054	192	148	
	24	2.401	5.612	215	196	
	25	2.010	5.411	194	220	
	26	2.746	5.523	245	176	
	27	2.730	5.385	254	236	
	28	2.445	5.443	250	244	
	29	2.049	5.155	246	288	
	30	2.318	5.291	234	268	
	31	2.209	5.213	235	252	

	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	2.986935484		5.454258065		234.35483871		228.258064516		0.3	
	Daily Max	5.477		6.787		301		308		0.3	
	Daily Max - Variable										
	Daily Min	1.055		5.02		192		148		0.3	
	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	
	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					
	2					
	3					
	4					
	5					
	6					
	7	5.8	72	3.5	15	153
	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	5.8		72		3.5		15		153	
	Daily Max	5.8		72		3.5		15		153	
	Daily Max - Variable										
	Daily Min	5.8		72		3.5		15		153	
	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	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	DAILY	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1	5.3	8.2	7.2	273	0
	2	4.2	7.7	4.2	184	0
	3	8.3	7.6	5.8	265	0
	4	11.2	7.6	5.4	202	0
	5	10.6	7.5	6.0	237	0
	6	7.9	7.7	6.8	259	0
	7	5.3	7.7	9.6	222	0
	8	5.7	7.8	7.2	139	0
	9	4.7	7.7	9.2	174	0
	10	6.0	7.7	11.0	97	0
	11	5.4	7.7	14.0	230	0
	12	5.6	7.5	14.0	258	0
	13	5.7	7.8	15.0	275	0
	14	4.6	7.8	12.5	175	0
	15	5.2	7.8	10.5	246	0
	16	4.1	7.8	11.5	277	0
	17	6.5	7.7	9.5	188	0
	18	4.7	7.7	9.5	134	0
	19	4.2	7.8	12.5	418	0
	20	3.7	7.8	8.5	245	0
	21	2.0	7.9	12.0	360	0
	22	4.4	7.9	12.4	354	0
	23	4.5	7.8	13.2	426	0
	24	4.9	7.7	7.6	152	0
	25	4.7	7.6	12.8	215	0
	26	5.0	7.6	10.0	229	0
	27	5.2	7.9	9.5	216	0
	28	4.8	7.9	14.0	285	0
	29	6.1	8.0	10.8	185	0
	30	5.0	7.9	13.6	263	0
	31	5.9	7.6	13.6	251	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	5.529032258		7.75483871		10.303225806		239.806451613		0	
	Daily Max	11.2		8.2		15		426		0	
	Daily Max - Variable										
	Daily Min	2		7.5		4.2		97		0	
	Week 1 Avg	7.542857143				6.428571429					
	Week 2 Avg	5.385714286				11.842857143					
	Week 3 Avg	4.342857143				10.571428571					
	Week 4 Avg	4.785714286				11.357142857					
Limit(s) in Effect	Monthly Avg	30	0			30	0				
	Daily Max			9	0						
	Daily Max - Variable										
	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	273	0.38	14.40	0.4	
	2	184	0.33	14.48	0.8	
	3	265	0.63	28.78		
	4	202	0.68	25.49		
	5	237	0.57	22.55	0.1	
	6	259	0.24	9.16	0.2	
	7	222	0.22	5.10	0.2	0.3
	8	139	0.27	5.23	0.2	
	9	174	0.25	4.74	0.1	
	10	97	0.34	2.99		
	11	230	0.32	5.25		
	12	258	0.29	5.34	0.7	
	13	275	0.35	6.41	0.2	
	14	175	0.30	4.20	0.2	
	15	246	0.29	6.79	0.03	
	16	277	0.27	6.50	0.1	
	17	188	0.35	6.92		
	18	134	0.32	4.53		
	19	418	0.27	9.03	0.2	
	20	245	0.24	6.92	0.04	
	21	360	0.24	7.20	0.1	
	22	354	0.25	7.13	0.03	
	23	426	0.25	8.08	0.03	
	24	152	0.30	6.01		
	25	215	0.29	4.86		
	26	229	0.29	6.64	0.2	
	27	216	0.31	7.06	0.2	
	28	285	0.28	5.71	0.2	
	29	185	0.28	4.78	0.2	
	30	263	0.29	5.61	0.1	
	31	251	0.47	8.66		

	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	239.806451613		0.327741935		8.598387097		0.205909091		0.3	
	Daily Max	426		0.68		28.78		0.8		0.3	
	Daily Max - Variable										
	Daily Min	97		0.22		2.99		0.03		0.3	
	Week 1 Avg	234.571428571						0.34			
	Week 2 Avg	192.571428571						0.28			
	Week 3 Avg	266.857142857						0.094			
	Week 4 Avg	268.142857143						0.132			
Limit(s) in Effect	Monthly Avg	801	0	1	0			18	0		
	Daily Max							17	0		
	Daily Max - Variable										
	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		N		N		N		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					
	2					
	3					
	4					
	5					
	6					
	7	<1.3	4.3	<3.5	12	30
	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		4.3		0		12		30	
	Daily Max	<1.3		4.3		<3.5		12		30	
	Daily Max - Variable										
	Daily Min	<1.3		4.3		<3.5		12		30	
	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	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	601	601	601	006
	Description	Effluent Reuse	River Monitoring	River Monitoring	River Monitoring	WLA BOD5 Discharge Compliance
	Parameter	671	400	399	401	544
	Description	Flow Unregulated	WLA Previous Day River Flow	WLA Previous 4 Day Avg River Flow	WLA Previous Day River Temp	WLA BOD5 Value
	Units	MGD	cfs	cfs	degF	lbs/day
	Sample Type	CONTINUOUS	GAUGE STN	CALCULATED	CALCULATED	SEE TABLE
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	0.784	3140	3170	70	2662
	2	0.096	3090	3155	70	2662
	3	0	3080	3138	70	2662
	4	0.662	3070	3120	71	2662
	5	0.482	3120	3095	71	2662
	6	0.642	3030	3090	71	2662
	7	2.488	2590	3075	69	2662
	8	2.765	2660	2953	67	2260
	9	2.870	2220	2850	65	2705
	10	4.071	1640	2625	64	2392
	11	3.053	1480	2278	62	2102
	12	2.880	1490	2000	61	1944
	13	3.076	1500	1708	61	1657
	14	3.618	1430	1528	61	1657
	15	2.682	1340	1475	60	1396
	16	2.406	1590	1440	59	1396
	17	3.163	2300	2100	61	2245
	18	3.501	2300	2100	61	2245
	19	2.778	2300	2100	61	2245
	20	2.591	2300	2100	61	2245
	21	2.613	2270	2278	59	2583
	22	2.960	2180	2253	56	3130
	23	2.181	2140	2245	55	3130
	24	3.211	2290	2223	53	2510
	25	3.401	2550	2220	52	2510
	26	2.777	2110	2290	52	3913
	27	2.655	2000	2273	52	3913
	28	2.998	1980	2238	52	3510
	29	3.106	1980	2160	51	3510
	30	2.973	1990	2018	51	3510
	31	3.004	2010	1988	51	3155

	Sample Point	101		601		601		601		006	
	Description	Effluent Reuse		River Monitoring		River Monitoring		River Monitoring		WLA BOD5 Discharge Compliance	
	Parameter	671		400		399		401		544	
	Description	Flow Unregulated		WLA Previous Day River Flow		WLA Previous 4 Day Avg River Flow		WLA Previous Day River Temp		WLA BOD5 Value	
	Units	MGD		cfs		cfs		degF		lbs/day	
Summary Values	Monthly Avg	2.467322581		2231.290322581		2364.064516129		60.64516129		2596.677419355	
	Daily Max	4.071		3140		3170		71		3913	
	Daily Max - Variable										
	Daily Min	0		1340		1440		51		1396	
	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										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	006	006	006	006
	Description	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance
	Parameter	12	843	543	541
	Description	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
	Sample Type	CALCULATED	CALCULATED	CALCULATED	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	3674	199	18017	1035
	2	3674	184	18519	1133
	3	3674	381	18725	1415
	4	3674	420	18626	1755
	5	3674	419	18832	2073
	6	3674	302	18733	2265
	7	3674	124	18634	2029
	8	3119	110	18232	1940
	9	3733	89	18275	1845
	10	3301	53	18005	1517
	11	2901	89	17445	1186
	12	2683	104	16727	871
	13	2287	104	15722	673
	14	2287	64	14717	613
	15	1926	121	13853	624
	16	1926	98	12544	634
	17	3098	107	11382	726
	18	3098	107	11382	726
	19	3098	107	11382	726
	20	3098	107	11382	726
	21	3565	60	12308	722
	22	4319	126	14042	728
	23	4319	144	15776	774
	24	4844	97	17890	742
	25	4844	79	19743	755
	26	5400	115	22021	729
	27	5400	117	23689	739
	28	4844	97	24616	776
	29	4844	105	24996	755
	30	4844	96	25376	707
	31	4354	108	25021	718

	Sample Point	006		006		006		006	
	Description	WLA BOD5 Discharge Compliance		WLA BOD5 Discharge Compliance		WLA BOD5 Discharge Compliance		WLA BOD5 Discharge Compliance	
	Parameter	12		843		543		541	
	Description	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	
Summary Values	Monthly Avg	3672.580645161		143		17632.64516129		1053.451612903	
	Daily Max	5400		420		25376		2265	
	Daily Max - Variable			420				2265	
	Daily Min	1926		53		11382		613	
	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	
	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 (6)

10-6 =0.26
10-8 =0.38
10-11=0.29
10-13=0.46
10-24=0.36
10-31=0.46

Submitted by Brian Helminger on 11/17/2025 8:20:01 AM