

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: 06/01/2025 - 06/30/2025
Form Due Date: 07/21/2025
Permit Number: 0031232

Date Received:	
DOC:	570880
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	2.797	6.530	200	204	
	2	3.137	6.607	217	232	
	3	2.922	6.530	202	212	<0.3
	4	3.374	6.972	201	240	
	5	3.102	6.734	200	204	
	6	3.303	6.570	212	196	
	7	2.353	6.121	194	184	
	8	3.671	7.049	204	196	
	9	3.577	6.796	216	212	
	10	3.787	7.002	187	192	
	11	3.453	6.668	194	228	
	12	2.428	6.379	207	220	
	13	3.195	6.306	242	232	
	14	2.958	6.209	196	204	
	15	2.278	6.233	206	216	
	16	2.583	6.241	238	236	
	17	2.134	6.178	228	196	
	18	2.178	6.205	242	220	
	19	2.843	6.540	235	228	
	20	2.805	6.699	182	180	
	21	2.596	6.338	174	200	
	22	2.373	6.345	215	220	
	23	2.552	6.368	262	304	
	24	2.974	6.455	248	220	
	25	2.981	6.370	209	248	
	26	4.373	7.275	196	232	
	27	4.510	7.453	220	200	
	28	3.810	6.805	110	164	
	29	3.769	6.815	137	156	
	30	4.334	6.936	200	244	
	31					

	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	3.105	6.590966667	205.8	214	0
	Daily Max	4.51	7.453	262	304	<0.3
	Daily Max - Variable					
	Daily Min	2.134	6.121	110	156	<0.3
	Geometric Mean -					
	Geometric Mean -					
	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					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg					
QA/QC Information	LOD					0.3
	LOQ					1
	QC Exceedance	N	N	N	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	6.0	60	5.1	8.5	338
	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	6	60	5.1	8.5	338
	Daily Max	6	60	5.1	8.5	338
	Daily Max - Variable					
	Daily Min	6	60	5.1	8.5	338
	Geometric Mean -					
	Geometric Mean -					
	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					
	Geometric Mean -					
	Geometric Mean -					
	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	204	112	457
	Description	BOD5, Total	pH Field	Fecal Coliform	Chlorine, Total Residual	Suspended Solids, Total
	Units	mg/L	su	#/100ml	ug/L	mg/L
	Sample Type	24 HR FLOW PROP	GRAB	GRAB	GRAB	24 HR FLOW PROP
	Frequency	DAILY	5/WEEK	WEEKLY	5/WEEK	5/WEEK
Sample Results	Day 1	6	7.3			2.4
	2	6	7.5	15	<100	3.2
	3	6	7.3		<100	3.8
	4	7	7.4		<100	3.8
	5	7	7.4		<100	3.4
	6	7	7.5		<100	5.0
	7	8	7.5			4.8
	8	9	7.6			6.6
	9	8	7.4	12	<100	6.0
	10	8	7.4		<100	5.6
	11	10	7.4		<100	8.0
	12	7	7.4		<100	7.4
	13	7	7.6		<100	9.4
	14	7	7.7			9.0
	15	8	7.6			8.4
	16	8	7.5	20	<100	8.2
	17	8	7.4		<100	9.2
	18	11	7.5		<100	12.4
	19	8	7.5		<100	9.6
	20	8	7.5		<100	11.8
	21	10	7.7			15.8
	22	4	7.8			5.0
	23	4	7.6	7	<100	5.0
	24	3	7.4		<100	3.8
	25	5	7.5		<100	4.4
	26	7	7.5		<100	4.0
	27	9	7.5		<100	4.2
	28	9	8.2			3.6
	29	9	7.6			4.6
	30	8	7.6		<100	4.6
	31					

	Sample Point	001	001	001	001	001		
	Description	Effluent	Effluent	Effluent	Effluent	Effluent		
	Parameter	66	377	204	112	457		
	Description	BOD5, Total	pH Field	Fecal Coliform	Chlorine, Total Residual	Suspended Solids, Total		
	Units	mg/L	su	#/100ml	ug/L	mg/L		
Summary Values	Monthly Avg	7.4	7.526666667	13.5	0	6.433333333		
	Daily Max	11	8.2	20	<100	15.8		
	Daily Max - Variable							
	Daily Min	3	7.3	7	<100	2.4		
	Geometric Mean -			12.59940787				
	Geometric Mean -			20				
	Week 1 Avg	6.714285714				3.771428571		
	Week 2 Avg	8				7.428571429		
	Week 3 Avg	8.714285714				10.771428571		
	Week 4 Avg	5.857142857				4.285714286		
Limit(s) in Effect	Monthly Avg	30	0		38	0	30	0
	Daily Max			9	0		38	0
	Daily Max - Variable							
	Daily Min			6	0			
	Geometric Mean -				400	0		
	Geometric Mean -				656	0		
	Weekly Avg	45	0				45	0
QA/QC Information	LOD				100			
	LOQ				100			
	QC Exceedance	N	N	N	N	N	N	N
	Lab Certification	445005220					445005220	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	457	1348	1347	388	388
	Description	Suspended Solids, Total	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Phosphorus, Total	Phosphorus, Total
	Units	lbs/day	lbs/month	lbs/day	mg/L	lbs/day
	Sample Type	CALCULATED	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED
	Frequency	5/WEEK	MONTHLY	5/WEEK	5/WEEK	5/WEEK
Sample Results	Day 1	56	0	56	0.19	4.43
	2	84	0	84	0.22	5.76
	3	93	0	93	0.20	4.87
	4	107	0	107	0.20	5.63
	5	88	0	88	0.20	5.17
	6	138	0	138	0.26	7.16
	7	94	0	94	0.24	4.71
	8	202	0	202	0.22	6.74
	9	179	0	179	0.21	6.26
	10	177	0	177	0.22	6.95
	11	230	0	230	0.18	5.18
	12	150	0	150	0.19	3.85
	13	250	0	250	0.26	6.93
	14	222	0	222	0.25	6.17
	15	160	0	160	0.22	4.18
	16	177	0	177	0.26	5.60
	17	164	0	164	0.23	4.09
	18	225	0	225	0.26	4.72
	19	228	0	228	0.21	4.98
	20	276	0	276	0.24	5.61
	21	342	0	342	0.30	6.50
	22	99	0	99	0.34	6.73
	23	106	0	106	0.38	8.09
	24	94	0	94	0.37	9.18
	25	109	0	109	0.36	8.95
	26	146	0	146	0.32	11.67
	27	158	0	158	0.22	8.27
	28	114	0	114	0.28	8.90
	29	145	0	145	0.20	6.29
	30	166	0	166	0.17	6.14
	31					

	Sample Point	001	001	001	001	001	
	Description	Effluent	Effluent	Effluent	Effluent	Effluent	
	Parameter	457	1348	1347	388	388	
	Description	Suspended Solids, Total	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Phosphorus, Total	Phosphorus, Total	
	Units	lbs/day	lbs/month	lbs/day	mg/L	lbs/day	
Summary Values	Monthly Avg	159.3	0	159.3	0.246666667	6.323666667	
	Daily Max	342	0	342	0.38	11.67	
	Daily Max - Variable						
	Daily Min	56	0	56	0.17	3.85	
	Geometric Mean -						
	Geometric Mean -						
	Week 1 Avg			94.285714286			
	Week 2 Avg			201.428571429			
	Week 3 Avg			224.571428571			
	Week 4 Avg			118			
Limit(s) in Effect	Monthly Avg			801	0	1	0
	Daily Max						
	Daily Max - Variable						
	Daily Min						
	Geometric Mean -						
	Geometric Mean -						
	Weekly Avg			1345	0		
QA/QC Information	LOD					0.026	
	LOQ					0.087	
	QC Exceedance	N	N	N	N	N	N
	Lab Certification					445005220	

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	789	87	133	147	264
	Description	Nitrogen, Ammonia (NH3-N) Total	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable
	Units	mg/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	5/WEEK	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1	0.1				
	2	0.1				
	3	0.1	<0.3	<1.3	7.7	<3.5
	4	0.1				
	5	0.1				
	6					
	7					
	8	0.1				
	9	0.1				
	10	0.03				
	11	0.03				
	12	0.05				
	13					
	14					
	15	0.08				
	16	0.12				
	17	0.08				
	18	0.11				
	19	0.07				
	20					
	21					
	22	0.11				
	23	0.32				
	24	0.28				
	25	0.19				
	26	0.15				
	27					
	28					
	29	0.06				
	30	0.03				
	31					

	Sample Point	001	001	001	001	001
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	789	87	133	147	264
	Description	Nitrogen, Ammonia (NH3-N) Total	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable
	Units	mg/L	ug/L	ug/L	ug/L	ug/L
Summary Values	Monthly Avg	0.109545455	0	0	7.7	0
	Daily Max	0.32	<0.3	<1.3	7.7	<3.5
	Daily Max - Variable					
	Daily Min	0.03	<0.3	<1.3	7.7	<3.5
	Geometric Mean -					
	Geometric Mean -					
	Week 1 Avg	0.1				
	Week 2 Avg	0.062				
	Week 3 Avg	0.092				
	Week 4 Avg	0.21				
Limit(s) in Effect	Monthly Avg	4.4	0			
	Daily Max	17	0			
	Daily Max - Variable					
	Daily Min					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg	11	0			
QA/QC Information	LOD	0.027	0.3	1.3	0.8	3.5
	LOQ	0.09	1	4.3	2.7	12
	QC Exceedance	N	N	N	N	N
	Lab Certification	445005220	445023150	445023150	445023150	445023150

	Sample Point	001	001	101	601	601
	Description	Effluent	Effluent	Effluent Reuse	River Monitoring	River Monitoring
	Parameter	315	553	671	400	399
	Description	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated	WLA Previous Day River Flow	WLA Previous 4 Day Avg River Flow
	Units	ug/L	ug/L	MGD	cfs	cfs
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	CONTINUOUS	GAUGE STN	CALCULATED
	Frequency	MONTHLY	MONTHLY	DAILY	DAILY	DAILY
Sample Results	Day 1			3.733	5010	5105
	2			3.470	4610	5105
	3	6.0	24	3.608	4230	5005
	4			3.598	4230	4718
	5			3.632	3420	4520
	6			3.267	3020	4123
	7			3.768	3000	3725
	8			3.378	3060	3418
	9			3.219	3130	3125
	10			3.215	3100	3053
	11			3.215	3040	3073
	12			3.951	2990	3083
	13			3.111	2880	3065
	14			3.251	2920	3003
	15			3.955	2930	2958
	16			3.658	2960	2930
	17			4.044	3030	2923
	18			4.027	3050	2960
	19			3.697	3330	3030
	20			3.894	3330	3030
	21			3.742	3550	3123
	22			3.972	3470	3253
	23			3.816	3910	3358
	24			3.481	4980	3565
	25			3.389	5030	3978
	26			2.902	5820	4348
	27			2.943	6180	4935
	28			2.995	6200	5503
	29			3.046	6230	5808
	30			2.602	6170	6108
	31					

	Sample Point	001	001	101	601	601
	Description	Effluent	Effluent	Effluent Reuse	River Monitoring	River Monitoring
	Parameter	315	553	671	400	399
	Description	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Unregulated	WLA Previous Day River Flow	WLA Previous 4 Day Avg River Flow
	Units	ug/L	ug/L	MGD	cfs	cfs
Summary Values	Monthly Avg	6	24	3.485966667	3960.3333333333	3864.366666667
	Daily Max	6	24	4.044	6230	6108
	Daily Max - Variable					
	Daily Min	6	24	2.602	2880	2923
	Geometric Mean -					
	Geometric Mean -					
	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					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg					
QA/QC Information	LOD	1.3	4.3			
	LOQ	4.3	14			
	QC Exceedance	N	N	N	N	N
	Lab Certification	445023150	445023150			

	Sample Point	601	006	006	006	006
	Description	River Monitoring	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance
	Parameter	401	544	12	843	543
	Description	WLA Previous Day River Temp	WLA BOD5 Value	WLA Adjusted Value	WLA BOD5 Discharged	WLA 7 Day Sum Of WLA Values
	Units	degF	lbs/day	lbs/day	lbs/day	lbs/day
	Sample Type	CALCULATED	SEE TABLE	CALCULATED	CALCULATED	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY	DAILY
Sample Results	Day 1	63	5568	7684	132	38143
	2	64	5568	7684	166	38143
	3	65	5568	7684	141	38143
	4	66	4174	5760	187	37582
	5	68	4174	5760	183	36188
	6	69	4174	5760	200	34794
	7	70	3354	4629	165	32580
	8	70	2917	4025	278	29929
	9	70	2917	4025	236	27278
	10	68	3191	4404	241	24901
	11	66	3191	4404	286	23918
	12	67	3191	4404	151	22935
	13	68	3191	4404	184	21952
	14	65	3195	4409	162	21793
	15	64	3195	4409	143	22071
	16	66	2878	3972	173	22032
	17	68	2878	3972	149	21719
	18	70	2640	3643	196	21168
	19	70	2917	4025	178	20343
	20	70	2917	4025	178	20343
	21	72	2917	4025	217	20065
	22	73	2917	4025	71	19787
	23	77	2701	3727	92	19610
	24	78	2827	3901	84	19559
	25	77	3061	4224	112	19980
	26	75	3529	4870	256	20869
	27	73	3797	5240	346	21749
	28	73	5265	7266	294	14097
	29	74	4652	6420	75	25832
	30	76	4652	6420	274	27783
	31					

	Sample Point	601	006	006	006	006
	Description	River Monitoring	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance	WLA BOD5 Discharge Compliance
	Parameter	401	544	12	843	543
	Description	WLA Previous Day River Temp	WLA BOD5 Value	WLA Adjusted Value	WLA BOD5 Discharged	WLA 7 Day Sum Of WLA Values
	Units	degF	lbs/day	lbs/day	lbs/day	lbs/day
Summary Values	Monthly Avg	69.833333333	3603.866666667	4973.333333333	185	25509.533333333
	Daily Max	78	5568	7684	346	38143
	Daily Max - Variable				346	
	Daily Min	63	2640	3643	71	14097
	Geometric Mean -					
	Geometric Mean -					
	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
	Daily Min					
	Geometric Mean -					
	Geometric Mean -					
	Weekly Avg					
QA/QC Information	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	006
	Description	WLA BOD5 Discharge Compliance
	Parameter	541
	Description	WLA 7 Day Sum Of BOD5 Discharged
	Units	lbs/day
	Sample Type	CALCULATED
	Frequency	DAILY
Sample Results	Day 1	1579
	2	1568
	3	1479
	4	1407
	5	1280
	6	1164
	7	1173
	8	1320
	9	1390
	10	1490
	11	1589
	12	1557
	13	1541
	14	1537
	15	1402
	16	1340
	17	1248
	18	1158
	19	1181
	20	1181
	21	1236
	22	1164
	23	1082
	24	1017
	25	933
	26	1009
	27	1177
	28	1255
	29	1259
	30	1441
	31	

	Sample Point	006	
	Description	WLA BOD5 Discharge Compliance	
	Parameter	541	
	Description	WLA 7 Day Sum Of BOD5 Discharged	
	Units	lbs/day	
Summary Values	Monthly Avg	1305.233333333	
	Daily Max	1589	
	Daily Max - Variable	1589	
	Daily Min	933	
	Geometric Mean -		
	Geometric Mean -		
	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
	Daily Min		
	Geometric Mean -		
	Geometric Mean -		
	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

6/1/25 Effluent TP was not preserved to <2 pH. 6/12/25 GGA of 236.4
6/1/25 BOD Blank of 0.40

Submitted by mantywwtfsupt2004 on 07/09/2025 8:24:42 AM