

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: 05/01/2026 - 05/31/2026
Form Due Date: 06/21/2026
Permit Number: 0031232

Date Received:	
DOC:	598132
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	7.307	6.506	4.5	184	4.6
	2	7.144	7.114	3.9	121	3.8
	3	7.303	7.052	4.1	191	4.4
	4	7.191	5.857	4.6	166	6.0
	5	6.670	5.391	3.9	224	4.6
	6	6.699	5.169	5.2	198	3.8
	7	6.810	4.810	5.5	216	5.0
	8	6.669	4.549	5.8	228	5.6
	9	6.453	4.603	5.3	196	4.4
	10	6.506	5.027	4.0	180	3.8
	11	6.548	4.232	3.6	221	3.6
	12	6.523	5.248	5.6	248	3.8
	13	6.495	4.067	6.9	204	5.8
	14	6.429	5.229	5.6	215	6.2
	15	5.798	4.175	4.9	169	4.6
	16	6.132	2.724	3.4	161	4.8
	17	8.916	6.088	5.2	186	6.6
	18	9.537	6.412	3.8	147	2.6
	19	8.393	5.251	3.5	215	3.6
	20	7.764	4.567	4.3	178	5.2
	21	7.444	5.404	3.5	160	4.0
	22	7.169	4.521	4.4	169	5.8
	23	6.589	3.399	5.4	114	4.0
	24	6.290	4.133	7.4	147	4.2
	25	6.905	4.093	8.3	201	3.6
	26	6.887	3.715	7.3	206	3.4
	27	7.686	5.166	5.5	174	4.0
	28	7.091	3.869	3.3	204	5.8
	29	6.838	3.285	3.7	127	4.8
	30	6.322	3.332	4.2	188	4.6
	31	6.554	3.681	3.5	216	4.2

	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	7.002	4.795774194	4.841935484	185.612903226	4.55483871
	Daily Max	9.537	7.114	8.3	248	6.6
	Daily Max - Variable					
	Daily Min	5.798	2.724	3.3	114	2.6
	Geometric Mean -					
	Week 1 Avg			4.528571429		4.6
	Week 2 Avg			5.257142857		4.742857143
	Week 3 Avg			4.085714286		4.485714286
	Week 4 Avg			5.942857143		4.4
	% Exceedance					
	Limit(s) in Effect	Monthly Avg			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	N	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	192		250		
	2	136		225		
	3	208		259		
	4	192		293		
	5	212	<0.3	207	5.9	
	6	208		164		
	7	184		201		
	8	196		212		
	9	220		169		
	10	208		159		
	11	236		127		
	12	204		166		
	13	176		197		
	14	224		270		
	15	264		160		
	16	248		109		
	17	244		335		
	18	124		139		
	19	188		158		
	20	148		198		
	21	224		180		
	22	180		219		
	23	176		113		
	24	184		145		
	25	200		123		
	26	252		105		
	27	196		172		
	28	240		187		
	29	220		132		
	30	180		128		
	31	204		129		5631

	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	202.193548387	0	181.64516129	5.9	5631
	Daily Max	264	<0.3	335	5.9	5631
	Daily Max - Variable					
	Daily Min	124	<0.3	105	5.9	5631
	Geometric Mean -					
	Week 1 Avg			228.428571429		
	Week 2 Avg			185.714285714		
	Week 3 Avg			182.714285714		
	Week 4 Avg			152		
	% 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				8.1	
	3				8.2	
	4				7.9	
	5	52		3.6	7.9	14
	6				7.8	
	7				7.9	
	8				7.8	
	9				7.9	
	10				7.9	
	11				8.0	
	12				8.1	
	13				8.2	
	14				8.2	
	15				7.8	
	16				8.1	
	17				7.9	
	18				8.0	
	19				8.1	
	20				8.0	
	21				8.0	
	22				8.2	
	23				8.2	
	24				7.9	
	25				7.8	
	26				7.8	
	27				7.9	
	28				7.9	
	29				8.1	
	30				8.3	
	31			38996	8.0	

	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	52	38996	3.6	7.990322581	14
	Daily Max	52	38996	3.6	8.3	14
	Daily Max - Variable					
	Daily Min	52	38996	3.6	7.8	14
	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	0.47
	2				<100	0.41
	3				<100	0.64
	4	10			<100	0.32
	5		109		<100	0.32
	6	0			<100	0.24
	7				<100	0.21
	8				<100	0.34
	9				<100	0.20
	10				<100	0.38
	11				<100	0.22
	12	0			<100	0.55
	13	80			<100	0.53
	14				<100	0.22
	15				<100	0.32
	16				<100	0.16
	17				<100	0.43
	18	20			<100	0.17
	19	18			<100	0.09
	20				<100	0.53
	21				<100	0.44
	22				<100	0.66
	23				<100	0.29
	24				<100	0.18
	25				<100	0.22
	26	5			<100	0.24
	27				<100	0.12
	28	0			<100	0.20
	29				<100	0.23
	30				<100	0.26
	31				<100	0.25

	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	16.625	109		0	0.317419355		
	Daily Max	80	109		<100	0.66		
	Daily Max - Variable							
	Daily Min	0	109		<100	0.09		
	Geometric Mean -	5.885661913						
	Week 1 Avg				0	0.372857143		
	Week 2 Avg				0	0.348571429		
	Week 3 Avg				0	0.305714286		
	Week 4 Avg				0	0.272857143		
	% Exceedance							
Limit(s) in Effect	Monthly Avg				38	0	11	0
	Daily Max				38	0	17	0
	Daily Max - Variable							
	Daily Min							
	Geometric Mean -	126	0					
	Weekly Avg				38	0	17	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	0.16	8.68			
	2	0.16	9.49			
	3	0.15	8.82			
	4	0.18	8.79			
	5	0.16	7.19			<0.3
	6	0.16	6.90			
	7	0.20	8.02			
	8	0.29	11.00			
	9	0.24	9.21			
	10	0.15	6.29			
	11	0.23	8.12			
	12	0.32	14.01			
	13	0.29	9.84			
	14	0.23	10.03			
	15	0.22	7.66			
	16	0.16	3.63			
	17	0.22	11.17			
	18	0.15	8.02			
	19	0.13	5.69			
	20	0.24	9.14			
	21	0.19	8.56			
	22	0.23	8.67			
	23	0.17	4.82			
	24	0.14	4.83			
	25	0.14	4.78			
	26	0.15	4.65			
	27	0.12	5.17			
	28	0.14	4.52			
	29	0.18	4.93			
	30	0.18	5.00			
	31	0.17	5.22		232.87	1301.00

	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	0.188709677		7.511290323		232.87		1301		0	
	Daily Max	0.32		14.01		232.87		1301		<0.3	
	Daily Max - Variable										
	Daily Min	0.12		3.63		232.87		1301		<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					
	5	<1.3	3.3	<3.5	10	26
	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	3.3	0	10	26
	Daily Max	<1.3	3.3	<3.5	10	26
	Daily Max - Variable					
	Daily Min	<1.3	3.3	<3.5	10	26
	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	5568	7684	246		1425
	2	5568	7684	229		1560
	3	5568	7684	241		1610
	4	5568	7684	223		1580
	5	5568	7684	175		1527
	6	5568	7684	222		1385
	7	5568	7684	220	38976	1275
	8	5568	7684	219	38976	1484
	9	5568	7684	205	38976	1437
	10	5568	7684	169	38976	1433
	11	5568	7684	128	38976	1375
	12	5568	7684	243	38976	1329
	13	5568	7684	233	38976	1350
	14	5568	7684	243	38976	1443
	15	5568	7684	169	38976	1429
	16	5568	7684	77	38976	1317
	17	5568	7684	263	38976	1266
	18	5568	7684	204	38976	1401
	19	5568	7684	151	38976	1409
	20	5568	7684	165	38976	1352
	21	5568	7684	159	38976	1248
	22	5568	7684	166	38976	1187
	23	5568	7684	154	38976	1202
	24	5568	7684	255	38976	1216
	25	5568	7684	284	38976	1192
	26	5568	7684	227	38976	1283
	27	5568	7684	236	38976	1467
	28	5568	7684	105	38976	1448
	29	5265	7266	100	38673	1404
	30	5265	7266	117	38370	1380
	31	3797	5240	107	36599	1323

	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	5491.322580645	7578.193548387	191.451612903	38844.56	1378.612903226
	Daily Max	5568	7684	284	38976	1610
	Daily Max - Variable			284		1610
	Daily Min	3797	5240	77	36599	1187
	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
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	18300	0.801	18575	53
	2	18000	0.03	18450	53
	3	17700	0.251	18350	54
	4	17200	1.334	18125	55
	5	16600	1.279	17800	55
	6	16400	1.530	17375	55
	7	16000	2.000	16975	55
	8	15300	2.120	16550	55
	9	14300	1.850	16075	55
	10	14100	1.479	15500	55
	11	13100	2.316	14925	55
	12	10400	1.275	14200	55
	13	8220	2.428	12975	55
	14	8420	1.200	11455	55
	15	7060	1.623	10035	56
	16	6490	3.408	8525	58
	17	6490	2.828	7548	61
	18	6990	3.125	7115	60
	19	7340	3.142	6758	59
	20	7260	3.197	6828	61
	21	7130	2.040	7020	61
	22	6220	2.648	7180	60
	23	5420	3.190	6988	60
	24	5390	2.157	6508	61
	25	5410	2.812	6040	63
	26	5360	3.172	5610	64
	27	5530	2.520	5395	66
	28	5440	3.222	5423	69
	29	4640	3.553	5435	70
	30	4170	2.990	5243	71
	31	4100	2.873	4945	71

	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	9821.935483871	2.206225806	10965.35483871	59.225806452
	Daily Max	18300	3.553	18575	71
	Daily Max - Variable				
	Daily Min	4100	0.03	4945	53
	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				
	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

5-6 BOD Blank (0.36)
5-14 GGA (77.1)
5-21 GGA (236.9)

Submitted by Brian Helminger on 06/09/2026 8:40:33 AM