

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: 07/01/2025 - 07/31/2025
Form Due Date: 08/21/2025
Permit Number: 0031232

Date Received:	
DOC:	577223
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	3.205	6.410	202	164	
	2	2.893	6.400	268	220	
	3	2.401	6.293	186	180	
	4	1.719	5.520	182	176	
	5	1.975	5.759	232	156	
	6	3.709	7.269	166	152	
	7	3.044	6.828	178	200	
	8	3.604	7.157	200	180	<0.3
	9	3.470	7.276	162	164	
	10	3.420	7.109	182	144	
	11	3.057	6.606	206	188	
	12	2.945	6.345	181	196	
	13	2.491	6.405	194	172	
	14	2.545	6.536	213	208	
	15	3.648	6.021	266	196	
	16	3.465	7.169	194	220	
	17	4.563	8.004	181	144	
	18	3.326	6.937	176	80	
	19	3.074	6.630	134	156	
	20	2.719	6.273	213	180	
	21	2.732	6.344	202	220	
	22	2.492	6.184	208	188	
	23	2.543	6.184	200	228	
	24	2.991	6.602	206	188	
	25	2.024	6.032	213	204	
	26	1.693	5.652	227	184	
	27	1.656	5.577	222	216	
	28	1.826	5.802	198	192	
	29	1.720	5.665	202	184	
	30	1.833	5.637	202	204	
	31	1.909	5.715	240	192	

	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	2.732	6.398096774	201.161290323	183.096774194	0
	Daily Max	4.563	8.004	268	228	<0.3
	Daily Max - Variable					
	Daily Min	1.656	5.52	134	80	<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	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					
	8	6.2	61	<3.5	9.3	129
	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	6.2		61		0		9.3		129	
	Daily Max	6.2		61		<3.5		9.3		129	
	Daily Max - Variable										
	Daily Min	6.2		61		<3.5		9.3		129	
	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	7	7.8	0	<100	6.0
	2	7	7.2		<100	4.2
	3	7	7.7		<100	4.6
	4	6	7.8		<100	5.0
	5	9	7.8			4.4
	6	5	7.8			4.8
	7	4	7.7		<100	3.8
	8	5	7.8	5	<100	4.6
	9	4	7.9		<100	3.2
	10	4	7.3		<100	4.0
	11	5	7.9		<100	5.6
	12	5	7.6			4.2
	13	5	7.7			5.0
	14	6	7.8		<100	6.2
	15	7	7.7		<100	7.6
	16	8	7.8	3	<100	8.4
	17	7	7.8		<100	10.6
	18	5	7.8		<100	4.4
	19	3	7.6			2.4
	20	6	7.5			3.0
	21	9	7.7		<100	3.4
	22	11	7.8	13	<100	6.8
	23	12	7.8		<100	6.8
	24	9	7.7		<100	7.2
	25	8	7.7		<100	5.4
	26	6	7.9			4.6
	27	6	7.9			4.4
	28	5	7.8		<100	3.4
	29	5	7.6		<100	3.2
	30	5	7.8	8	<100	3.4
	31	5	7.4		<100	4.8

	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	6.322580645		7.712903226		5.8		0		5.012903226	
	Daily Max	12		7.9		13		<100		10.6	
	Daily Max - Variable										
	Daily Min	3		7.2		0		<100		2.4	
	Geometric Mean -					4.351359043					
	Geometric Mean -					3					
	Week 1 Avg	6.428571429								4.685714286	
	Week 2 Avg	4.857142857								4.685714286	
	Week 3 Avg	6.428571429								5.685714286	
	Week 4 Avg	8.142857143								5.514285714	
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	
	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	160	0	160	0.17	4.54
	2	101	0	101	0.20	4.83
	3	92	0	92	0.21	4.21
	4	72	0	72	0.21	3.01
	5	72	0	72	0.21	3.46
	6	148	0	148	0.19	5.88
	7	96	0	96	0.15	3.81
	8	138	0	138	0.17	5.11
	9	93	0	93	0.14	4.05
	10	114	0	114	0.14	3.99
	11	143	0	143	0.23	5.86
	12	103	0	103	0.23	5.65
	13	104	0	104	0.18	3.74
	14	132	0	132	0.17	3.61
	15	231	0	231	0.20	6.08
	16	243	0	243	0.26	7.51
	17	403	0	403	0.29	11.04
	18	122	0	122	0.65	18.03
	19	62	0	62	0.61	15.64
	20	68	0	68	0.59	13.38
	21	77	0	77	0.58	13.22
	22	141	0	141	0.27	5.61
	23	144	0	144	0.17	3.61
	24	180	0	180	0.15	3.74
	25	91	0	91	0.28	4.73
	26	65	0	65	0.28	3.95
	27	61	0	61	0.29	4.01
	28	52	0	52	0.28	4.26
	29	46	0	46	0.27	3.87
	30	52	0	52	0.29	4.43
	31	72	0	72	0.31	4.94

	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	118.64516129		0		118.64516129		0.27		6.122580645	
	Daily Max	403		0		403		0.65		18.03	
	Daily Max - Variable										
	Daily Min	46		0		46		0.14		3.01	
	Geometric Mean -										
	Geometric Mean -										
	Week 1 Avg					105.857142857					
	Week 2 Avg					118.142857143					
	Week 3 Avg					172.285714286					
	Week 4 Avg					104.857142857					
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	
	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				
	4					
	5					
	6	0.1				
	7	0.1				
	8	0.1	<0.3	<1.3	3.0	<3.5
	9	0.1				
	10	0.1				
	11					
	12					
	13	0.1				
	14	0.1				
	15	0.3				
	16	0.3				
	17	0.1				
	18					
	19					
	20	0.4				
	21	0.3				
	22	0.4				
	23	0.5				
	24	0.02				
	25					
	26					
	27	0.3				
	28	0.3				
	29	0.1				
	30	0.1				
	31	0.2				

	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	0.187826087		0		0		3		0	
	Daily Max	0.5		<0.3		<1.3		3		<3.5	
	Daily Max - Variable										
	Daily Min	0.02		<0.3		<1.3		3		<3.5	
	Geometric Mean -										
	Geometric Mean -										
	Week 1 Avg	0.1									
	Week 2 Avg	0.1									
	Week 3 Avg	0.28									
	Week 4 Avg	0.304									
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			3.205	6130	6195
	2			3.507	6120	6183
	3			3.892	6110	6163
	4			3.801	6170	6133
	5			3.784	6250	6133
	6			3.560	6390	6163
	7			3.784	6540	6230
	8	9.3	15	3.553	7160	6338
	9			3.806	6910	6585
	10			3.689	7050	6750
	11			3.549	6840	6915
	12			3.400	6850	6990
	13			3.914	6820	6913
	14			3.991	6550	6890
	15			2.373	6100	6765
	16			3.704	5920	6580
	17			3.441	6960	6248
	18			3.611	7370	6383
	19			3.556	7110	6875
	20			3.554	7110	6875
	21			3.612	6510	7173
	22			3.692	5760	7060
	23			3.641	5980	6658
	24			3.611	5960	6340
	25			4.008	5730	6053
	26			3.959	5660	5108
	27			3.921	5650	5083
	28			3.976	5170	5000
	29			3.945	4500	4803
	30			3.804	3960	5245
	31			3.806	3140	4820

	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	9.3	15	3.666096774	6144.516129032	6246.774193548
	Daily Max	9.3	15	4.008	7370	7173
	Daily Max - Variable					
	Daily Min	9.3	15	2.373	3140	4803
	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	77	4124	5691	190	24956
	2	76	4124	5691	175	26019
	3	77	4124	5691	131	26614
	4	77	4124	5691	91	26941
	5	80	3569	4925	153	25800
	6	80	3569	4925	153	24717
	7	79	3569	4925	107	23634
	8	78	3569	4925	150	30772
	9	78	3569	4925	121	30217
	10	78	3569	4925	113	29662
	11	79	3569	4925	126	29107
	12	79	3569	4925	111	28552
	13	78	3569	4925	108	28552
	14	78	3569	4925	125	24983
	15	78	3569	4925	215	24983
	16	79	3569	4925	231	24983
	17	79	3569	4925	264	24983
	18	76	4124	5691	126	25538
	19	77	4124	5691	141	26648
	20	77	4124	5691	141	26648
	21	76	4124	5691	213	27203
	22	77	4124	5691	218	27758
	23	78	3569	5691	244	27758
	24	78	3569	4925	220	27758
	25	78	3569	4925	136	27203
	26	78	3569	4925	80	26648
	27	80	3569	4925	77	26093
	28	82	3081	4252	76	25050
	29	82	2369	3269	66	23295
	30	81	3569	4925	81	23295
	31	78	2737	3777	71	22463

	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	78.322580645		3648.838709677		5059.935483871		143.677419355		26413.967741935	
	Daily Max	82		4124		5691		264		30772	
	Daily Max - Variable							264			
	Daily Min	76		2369		3269		66		22463	
	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	1548
	2	1610
	3	1485
	4	1230
	5	1089
	6	1167
	7	1000
	8	960
	9	906
	10	888
	11	924
	12	881
	13	836
	14	854
	15	919
	16	1030
	17	1181
	18	1181
	19	1178
	20	1178
	21	1267
	22	1270
	23	1283
	24	1238
	25	1248
	26	1253
	27	1189
	28	1052
	29	899
	30	736
	31	5587

	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	1260.225806452	
	Daily Max	5587	
	Daily Max - Variable	5587	
	Daily Min	736	
	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

7-7 BOD Blank of 0.31
7-9 BOD Blank of 0.36
7-22 BOD Blank of 0.25

Submitted by mantywwtfsupt2004 on 08/12/2025 11:50:18 AM