

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: 02/01/2025 - 02/28/2025
Form Due Date: 03/21/2025
Permit Number: 0031232

Date Received:	
DOC:	562662
FIN:	6375
FID:	445005220
Region:	Northeast Region
Permit Drafter:	Amy M Garbe
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)
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	2.650	5.136	256	220	
	2	2.093	5.226	270	220	
	3	2.094	5.026	251	236	
	4	2.559	5.151	289	220	0.11
	5	2.271	4.995	242	240	
	6	2.762	5.184	254	228	
	7	3.455	5.081	285	240	
	8	2.217	4.730	256	196	
	9	2.316	4.926	317	244	
	10	1.958	4.930	312	212	
	11	1.840	4.853	304	240	
	12	2.181	4.861	270	232	
	13	2.275	4.875	316	224	
	14	2.832	4.881	336	308	
	15	3.035	4.751	300	272	
	16	3.441	4.983	307	216	
	17	3.101	4.905	258	232	
	18	2.896	4.961	276	248	
	19	1.928	4.717	265	320	
	20	2.040	4.961	298	264	
	21	2.463	4.989	238	228	
	22	2.449	4.770	252	196	
	23	2.242	4.954	336	256	
	24	2.776	5.886	206	212	
	25	4.159	6.791	210	236	
	26	4.678	7.046	196	172	
	27	4.919	7.055	194	172	
	28	4.288	6.961	208	148	
	29					
	30					
	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	2.782785714		5.270892857		267.928571429		229.714285714		0.11	
	Daily Max	4.919		7.055		336		320		0.11	
	Daily Min	1.84		4.717		194		148		0.11	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Min										
	Weekly Avg										
QA/QC Information	LOD									0.03	
	LOQ									0.1	
	QC Exceedance	N		N		Y		N		N	
	Lab Certification					445005220		445005220		445023150	

	Sample Point	701	701	701	001	701
	Description	Influent	Influent	Influent	Effluent	Influent
	Parameter	133	147	264	66	315
	Description	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	BOD5, Total	Nickel, Total Recoverable
	Units	ug/L	ug/L	ug/L	mg/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	5/WEEK	MONTHLY
Sample Results	Day 1				5	
	2				6	
	3				5	
	4	5.4	62	1.3	6	9.4
	5				10	
	6				10	
	7				12	
	8				13	
	9				12	
	10				12	
	11				12	
	12				12	
	13				11	
	14				10	
	15				10	
	16				9	
	17				8	
	18				9	
	19				8	
	20				7	
	21				6	
	22				5	
	23				6	
	24				6	
	25				6	
	26				6	
	27				5	
	28				8	
	29					
	30					
	31					

	Sample Point	701		701		701		001		701	
	Description	Influent		Influent		Influent		Effluent		Influent	
	Parameter	133		147		264		66		315	
	Description	Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable		BOD5, Total		Nickel, Total Recoverable	
	Units	ug/L		ug/L		ug/L		mg/L		ug/L	
Summary Values	Monthly Avg	5.4		62		1.3		8.392857143		9.4	
	Daily Max	5.4		62		1.3		13		9.4	
	Daily Min	5.4		62		1.3		5		9.4	
	Week 1 Avg							7.714285714			
	Week 2 Avg							11.714285714			
	Week 3 Avg							8.142857143			
	Week 4 Avg							6			
Limit(s) in Effect	Monthly Avg							30	0		
	Daily Max										
	Daily Min										
	Weekly Avg							45	0		
QA/QC Information	LOD	0.87		3.4		0.54				0.77	
	LOQ	0.29		11		1.8				2.6	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445023150		445023150		445005220		445023150	

	Sample Point	701	001	001	001	001
	Description	Influent	Effluent	Effluent	Effluent	Effluent
	Parameter	553	377	457	457	1348
	Description	Zinc, Total Recoverable	pH Field	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	ug/L	su	mg/L	lbs/day	lbs/month
	Sample Type	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	5/WEEK	5/WEEK	5/WEEK	MONTHLY
Sample Results	Day 1		7.3	3.2	71	0
	2		7.4	4.6	80	0
	3		7.8	3.6	63	0
	4	131	7.9	2.6	55	0
	5		7.9	3.2	61	0
	6		7.8	3.8	88	0
	7		7.8	13.2	380	0
	8		7.7	4.6	85	0
	9		7.7	4.2	81	0
	10		7.8	6.4	105	0
	11		7.7	4.4	68	0
	12		7.7	5.2	95	0
	13		7.6	5.4	102	0
	14		7.5	3.8	90	0
	15		7.4	4.6	116	0
	16		7.4	7.0	201	0
	17		7.7	8.2	212	0
	18		7.6	6.6	159	0
	19		7.6	6.8	109	0
	20		7.7	5.6	95	0
	21		7.7	4.2	86	0
	22		7.4	4.2	86	0
	23		7.3	6.2	116	0
	24		7.4	9.6	222	0
	25		7.0	5.8	201	0
	26		7.3	5.6	218	0
	27		7.3	4.2	172	0
	28		7.4	5.0	179	0
	29					
	30					
	31					

	Sample Point	701		001		001		001		001	
	Description	Influent		Effluent		Effluent		Effluent		Effluent	
	Parameter	553		377		457		457		1348	
	Description	Zinc, Total Recoverable		pH Field		Suspended Solids, Total		Suspended Solids, Total		WQT Credits Used (TSS)	
	Units	ug/L		su		mg/L		lbs/day		lbs/month	
Summary Values	Monthly Avg	131		7.564285714		5.421428571		128.428571429		0	
	Daily Max	131		7.9		13.2		380		0	
	Daily Min	131		7		2.6		55		0	
	Week 1 Avg					4.885714286					
	Week 2 Avg					4.857142857					
	Week 3 Avg					6.142857143					
	Week 4 Avg					5.8					
Limit(s) in Effect	Monthly Avg					30	0				
	Daily Max			9	0						
	Daily Min			6	0						
	Weekly Avg					45	0				
QA/QC Information	LOD	1.8									
	LOQ	6									
	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	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	71	0.33	7.29		
	2	80	0.38	6.63	1.1	
	3	63	0.28	4.89	0.3	
	4	55	0.26	5.55	0.5	0.03
	5	61	0.27	5.11	0.2	
	6	88	0.31	7.14	0.5	
	7	380	0.30	8.64		
	8	85	0.30	5.55		
	9	81	0.29	5.60	0.6	
	10	105	0.24	3.92	0.3	
	11	68	0.26	3.99	0.3	
	12	95	0.26	4.73	0.2	
	13	102	0.24	4.55	0.2	
	14	90	0.25	5.90		
	15	116	0.25	6.33		
	16	201	0.22	6.31	0.3	
	17	212	0.22	5.69	0.2	
	18	159	0.27	6.52	0.3	
	19	109	0.23	3.70	0.3	
	20	95	0.18	3.06	0.1	
	21	86	0.23	4.72		
	22	86	0.23	4.70		
	23	116	0.22	4.11	0.4	
	24	222	0.15	3.47	0.8	
	25	201	0.20	6.94	0.4	
	26	218	0.23	8.97	0.5	
	27	172	0.19	7.79	0.3	
	28	179	0.27	9.66		
	29					
	30					
	31					

	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	128.428571429		0.252142857		5.766428571		0.39		0.03	
	Daily Max	380		0.38		9.66		1.1		0.03	
	Daily Min	55		0.15		3.06		0.1		0.03	
	Week 1 Avg	114						0.52			
	Week 2 Avg	89.428571429						0.32			
	Week 3 Avg	139.714285714						0.24			
	Week 4 Avg	170.571428571						0.48			
Limit(s) in Effect	Monthly Avg	801	0	1	0			10	0		
	Daily Max							17	0		
	Daily Min										
	Weekly Avg	1345	0					28	0		
QA/QC Information	LOD			0.026				0.027		0.03	
	LOQ			0.087				0.09		0.1	
	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	1.2	4.9	0.54	7.0	21
	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	1.2		4.9		0.54		7		21	
	Daily Max	1.2		4.9		0.54		7		21	
	Daily Min	1.2		4.9		0.54		7		21	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Min										
	Weekly Avg										
QA/QC Information	LOD	0.87		3.4		0.54		0.77		1.8	
	LOQ	2.9		11		1.8		2.6		6	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	445023150		445023150		445023150		445023150		445023150	

	Sample Point	101
	Description	Effluent Reuse
	Parameter	671
	Description	Flow Unregulated
	Units	MGD
	Sample Type	CONTINUOUS
	Frequency	DAILY
Sample Results	Day 1	2.486
	2	3.133
	3	2.932
	4	2.592
	5	2.724
	6	2.422
	7	1.626
	8	2.513
	9	2.610
	10	2.972
	11	3.013
	12	2.680
	13	2.600
	14	2.049
	15	1.716
	16	1.542
	17	1.804
	18	2.065
	19	2.789
	20	2.921
	21	2.526
	22	2.321
	23	2.712
	24	3.110
	25	2.632
	26	2.368
	27	2.136
	28	2.673
	29	
	30	
	31	

	Sample Point	101	
	Description	Effluent Reuse	
	Parameter	671	
	Description	Flow Unregulated	
	Units	MGD	
Summary Values	Monthly Avg	2.488107143	
	Daily Max	3.133	
	Daily Min	1.542	
	Week 1 Avg		
	Week 2 Avg		
	Week 3 Avg		
	Week 4 Avg		
Limit(s) in Effect	Monthly Avg		
	Daily Max		
	Daily Min		
	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

BOD Blank Depletion of 0.26 (2-2-25)

Submitted by mantywwtfsupt2004 on 03/12/2025 11:34:22 AM