

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: 03/01/2025 - 03/31/2025
Form Due Date: 04/21/2025
Permit Number: 0031232

Date Received:	
DOC:	562663
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)

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: 03/01/2025 - 03/31/2025
 Form Due Date: 04/21/2025
 Permit Number: 0031232

Date Received:
 DOC: 562663
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Amy M Garbe
 Reviewer: Barti Oumarou
 Office: Oshkosh

	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	3.881	6.459	194	164	
	2	3.278	6.148	256	180	
	3	3.230	5.802	239	180	
	4	4.006	6.645	194	180	<0.3
	5	14.223	16.380	114	96	
	6	8.002	10.565	138	104	
	7	7.233	8.863	262	96	
	8	5.435	7.732	286	124	
	9	5.573	7.665	192	212	
	10	4.677	7.703	188	140	
	11	4.799	7.561	198	228	
	12	5.461	7.331	212	160	
	13	5.280	7.145	202	164	
	14	5.084	6.985	228	212	
	15	4.673	6.942	102	164	
	16	4.422	6.990	211	188	
	17	4.606	6.522	248	196	
	18	6.026	6.679	206	172	
	19	4.395	7.143	168	236	
	20	6.824	9.152	188	164	
	21	9.857	10.042	107	160	
	22	9.820	9.820	110	96	
	23	9.591	9.591	110	104	
	24	11.228	11.228	178	104	
	25	10.711	10.711	110	96	
	26	10.028	10.028	134	140	
	27	9.577	9.577	132	140	
	28	9.061	9.061	125	124	
	29	11.408	11.408	<100	208	
	30	15.439	15.439	83	84	
	31	13.922	13.922	100	100	

	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	7.475806452		8.943193548		168.225806452		152.129032258		0	
	Daily Max	15.439		16.38		286		236		<0.3	
	Daily Min	3.23		5.802		83		84		<0.3	
	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									0.3	
	LOQ									1	
	QC Exceedance	N		N		N		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				11	
	2				8	
	3	5.9	41	3.8	9	5.8
	4				9	
	5				7	
	6				7	
	7				7	
	8				7	
	9				8	
	10				9	
	11				7	
	12				6	
	13				6	
	14				6	
	15				6	
	16				6	
	17				6	
	18				6	
	19				7	
	20				6	
	21				4	
	22				4	
	23				4	
	24				4	
	25				5	
	26				4	
	27				5	
	28				5	
	29				5	
	30				5	
	31				7	

	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	5.9		41		3.8		6.322580645		5.8	
	Daily Max	5.9		41		3.8		11		5.8	
	Daily Min	5.9		41		3.8		4		5.8	
	Week 1 Avg							8.285714286			
	Week 2 Avg							7			
	Week 3 Avg							5.857142857			
	Week 4 Avg							4.428571429			
Limit(s) in Effect	Monthly Avg							30	0		
	Daily Max										
	Daily Min										
	Weekly Avg							45	0		
QA/QC Information	LOD	1.3		0.8		3.5				1.3	
	LOQ	4.3		2.7		12				4.3	
	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		7.6	4.4	142	0
	2		7.5	6.2	169	0
	3	93	7.4	5.6	151	0
	4		7.4	7.2	241	0
	5		7.1	5.0	593	0
	6		7.4	4.2	280	0
	7		7.3	5.6	338	0
	8		7.4	3.4	154	0
	9		7.4	5.0	232	0
	10		7.3	4.2	164	0
	11		7.6	3.8	152	0
	12		7.4	4.0	182	0
	13		7.4	3.8	167	0
	14		7.3	4.0	170	0
	15		7.4	4.0	156	0
	16		7.5	4.4	162	0
	17		7.4	5.0	192	0
	18		7.5	4.8	241	0
	19		7.4	6.2	227	0
	20		7.3	12.0	683	0
	21		7.4	3.8	312	0
	22		7.8	2.8	229	0
	23		7.8	3.6	288	0
	24		7.4	5.0	468	0
	25		7.4	7.0	625	0
	26		7.2	9.2	769	0
	27		7.3	5.6	447	0
	28		7.3	7.6	574	0
	29		7.7	7.2	685	0
	30		7.3	6.2	798	0
	31		7.2	6.6	766	0

	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	93		7.412903226		5.4		347		0	
	Daily Max	93		7.8		12		798		0	
	Daily Min	93		7.1		2.8		142		0	
	Week 1 Avg					5.457142857					
	Week 2 Avg					4.028571429					
	Week 3 Avg					5.742857143					
	Week 4 Avg					5.828571429					
Limit(s) in Effect	Monthly Avg					30	0				
	Daily Max			9	0						
	Daily Min			6	0						
	Weekly Avg					45	0				
QA/QC Information	LOD	2.2									
	LOQ	7.3									
	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	142	0.23	7.44		
	2	169	0.23	6.29	2.5	
	3	151	0.23	6.20	3.9	0.3
	4	241	0.26	8.69	4.0	
	5	593	0.19	22.54	1.0	
	6	280	0.12	8.01	1.1	
	7	338	0.16	9.65		
	8	154	0.18	8.16		
	9	232	0.14	6.51	1.2	
	10	164	0.17	6.63	2.8	
	11	152	0.18	7.20	0.9	
	12	182	0.14	6.38	0.1	
	13	167	0.15	6.61	0.2	
	14	170	0.17	7.21		
	15	156	0.19	7.40		
	16	162	0.20	7.38	0.3	
	17	192	0.20	7.68	0.2	
	18	241	0.24	12.06	0.3	
	19	227	0.20	7.33	0.2	
	20	683	0.21	11.95	0.1	
	21	312	0.15	12.33		
	22	229	0.12	9.83		
	23	288	0.11	8.80	0.1	
	24	468	0.12	11.24	0.1	
	25	625	0.06	5.36	0.1	
	26	769	0.07	5.85	0.1	
	27	447	0.07	5.59	0.1	
	28	574	0.14	10.58		
	29	685	0.11	10.47		
	30	798	0.09	11.59	0.1	
	31	766	0.13	15.09	0.04	

	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	347		0.16		8.969354839		0.883636364		0.3	
	Daily Max	798		0.26		22.54		4		0.3	
	Daily Min	142		0.06		5.36		0.04		0.3	
	Week 1 Avg	273.428571429						2.5			
	Week 2 Avg	174.428571429						1.04			
	Week 3 Avg	281.857142857						0.22			
	Week 4 Avg	485.714285714						0.1			
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				0.27*Footnote		0.3	
	LOQ			0.087				0.9*Footnote		1	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445005220				445005220		445023150	

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	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	<1.3	6.1	<3.5	3.7	16
	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	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		6.1		0		3.7		16	
	Daily Max	<1.3		6.1		<3.5		3.7		16	
	Daily Min	<1.3		6.1		<3.5		3.7		16	
	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	1.3		0.8		3.5		1.3		2.2	
	LOQ	4.3		2.7		12		4.3		7.3	
	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	2.578
	2	2.870
	3	2.572
	4	2.639
	5	2.157
	6	2.613
	7	2.563
	8	1.630
	9	2.297
	10	2.092
	11	3.026
	12	2.762
	13	1.870
	14	1.865
	15	1.901
	16	2.269
	17	2.568
	18	1.916
	19	0.653
	20	2.748
	21	2.328
	22	0.185
	23	0
	24	0
	25	0
	26	0
	27	0
	28	0
	29	0
	30	0
	31	0

	Sample Point	101	
	Description	Effluent Reuse	
	Parameter	671	
	Description	Flow Unregulated	
	Units	MGD	
Summary Values	Monthly Avg	1.551677419	
	Daily Max	3.026	
	Daily Min	0	
	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: GGA was qualified on 3-5 because the seed control under- depleted resulting in the GGA of 179.7 still within the limits.

Submitted by mantywwtfsupt2004 on 04/09/2025 1:51:03 PM