

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: 03/01/2024 - 03/31/2024
 Form Due Date: 04/21/2024
 Permit Number: 0031232

Date Received:
 DOC: 536543
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Sarah J Adkins
 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	2.489	5.803	255	208	
	2	2.697	5.883	226	136	
	3	3.220	5.674	290	220	
	4	2.900	5.837	242	240	
	5	2.840	5.946	226	244	
	6	3.404	6.514	222	212	<1.3
	7	3.183	6.294	258	196	
	8	3.290	6.303	218	172	
	9	3.009	6.153	219	212	
	10	3.902	6.691	189	220	
	11	3.170	6.568	240	208	
	12	3.369	6.427	234	200	
	13	3.301	6.239	386	244	
	14	3.704	6.042	217	212	
	15	4.536	6.056	282	212	
	16	3.342	6.032	244	192	
	17	2.617	5.728	249	216	
	18	2.903	5.948	312	236	
	19	2.630	5.597	243	240	
	20	3.206	5.747	284	200	
	21	2.483	5.626	242	236	
	22	2.247	5.504	250	200	
	23	2.851	5.541	210	220	
	24	2.912	5.602	236	204	
	25	3.768	5.827	208	208	
	26	4.524	6.678	141	168	
	27	8.674	11.601	154	152	
	28	6.269	9.379	150	124	
	29	5.277	8.387	134	148	
	30	4.792	7.903	169	172	
	31	4.364	7.458	202	200	

	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	3.608806452	6.483483871	230.064516129	201.677419355	0
	Daily Max	8.674	11.601	386	244	<1.3
	Daily Min	2.247	5.504	134	124	<1.3
	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					1.3
	LOQ					5
	QC Exceedance	N	N	Y	N	N
	Lab Certification			445005220	445005220	405132750

	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				6	
	2				5	
	3				5	
	4				6	
	5				5	
	6	9.9	68.2	<5.9	5	13.0
	7				5	
	8				5	
	9				6	
	10				5	
	11				5	
	12				5	
	13				9	
	14				8	
	15				5	
	16				6	
	17				7	
	18				7	
	19				7	
	20				9	
	21				8	
	22				6	
	23				5	
	24				6	
	25				6	
	26				7	
	27				6	
	28				4	
	29				4	
	30				5	
	31				5	

	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	9.9		68.2		0		5.903225806		13	
	Daily Max	9.9		68.2		<5.9		9		13	
	Daily Min	9.9		68.2		<5.9		4		13	
	Week 1 Avg							5.285714286			
	Week 2 Avg							6.142857143			
	Week 3 Avg							7			
	Week 4 Avg							5.714285714			
Limit(s) in Effect	Monthly Avg							30	0		
	Daily Max										
	Daily Min										
	Weekly Avg							45	0		
QA/QC Information	LOD	2.5		3.4		5.9				2.6	
	LOQ	10		10		20				10	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		445005220		405132750	

	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		7.1	6.8	141	0
	2		8.0	6.0	135	0
	3		7.8	6.0	161	0
	4		7.2	9.6	232	0
	5		7.2	7.6	180	0
	6	132	7.2	7.6	216	0
	7		7.2	6.4	170	0
	8		7.2	6.0	165	0
	9		7.3	7.2	181	0
	10		7.3	7.2	234	0
	11		7.3	7.2	190	0
	12		7.1	6.4	180	0
	13		7.4	6.0	165	0
	14		7.3	8.8	272	0
	15		7.3	7.2	272	0
	16		7.1	6.8	190	0
	17		7.1	6.4	140	0
	18		7.0	8.4	203	0
	19		7.2	7.2	158	0
	20		7.2	9.6	257	0
	21		7.3	11.6	240	0
	22		7.2	7.6	142	0
	23		8.0	5.6	133	0
	24		7.8	8.0	194	0
	25		7.1	8.4	264	0
	26		7.2	9.2	347	0
	27		7.1	6.4	463	0
	28		7.2	5.6	293	0
	29		7.2	4.0	176	0
	30		7.7	6.0	240	0
	31		7.8	6.4	233	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	132	7.325806452	7.2	211.838709677	0
	Daily Max	132	8	11.6	463	0
	Daily Min	132	7	4	133	0
	Week 1 Avg			7.142857143		
	Week 2 Avg			6.971428571		
	Week 3 Avg			8.171428571		
	Week 4 Avg			7.257142857		
Limit(s) in Effect	Monthly Avg			30	0	
	Daily Max		9	0		
	Daily Min		6	0		
	Weekly Avg			45	0	
QA/QC Information	LOD	11.6				
	LOQ	40				
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750		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	141	0.34	7.06		
	2	135	0.33	7.42		
	3	161	0.27	7.25	0.3	
	4	232	0.29	7.01	0.2	
	5	180	0.28	6.63	0.2	
	6	216	0.27	7.67	0.3	<1.3
	7	170	0.34	9.03	0.3	
	8	165	0.36	9.88		
	9	181	0.30	7.53		
	10	234	0.30	9.76	0.2	
	11	190	0.25	6.61	0.2	
	12	180	0.29	8.15	0.5	
	13	165	0.29	7.98	0.3	
	14	272	0.26	8.03	0.3	
	15	272	0.34	12.86		
	16	190	0.29	8.08		
	17	140	0.25	5.46	0.3	
	18	203	0.30	7.26	0.3	
	19	158	0.33	7.24	0.2	
	20	257	0.38	10.16	0.3	
	21	240	0.31	6.42	0.1	
	22	142	0.27	5.06		
	23	133	0.28	.666		
	24	194	0.29	7.04	0.2	
	25	264	0.28	8.80	0.3	
	26	347	0.27	10.19	0.3	
	27	463	0.20	14.47	0.1	
	28	293	0.20	10.46	0.1	
	29	176	0.19	8.36		
	30	240	0.22	8.79		
	31	233	0.22	8.01	0.2	

	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	211.838709677		0.283548387		8.043096774		0.247619048		0	
	Daily Max	463		0.38		14.47		0.5		<1.3	
	Daily Min	133		0.19		0.666		0.1		<1.3	
	Week 1 Avg	176.428571429						0.26			
	Week 2 Avg	198.142857143						0.3			
	Week 3 Avg	208.571428571						0.24			
	Week 4 Avg	262.285714286						0.2			
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		1.3	
	LOQ			0.087				0.09		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			445005220				445005220		405132750	

	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					
	6	<2.5	6.7	<5.9	10.0	18.0
	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	6.7	0	10	18
	Daily Max	<2.5	6.7	<5.9	10	18
	Daily Min	<2.5	6.7	<5.9	10	18
	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	3.4	2.6	2.6	11.6
	LOQ	5	10	10	10	40
	QC Exceedance	N	N	N	N	N
	Lab Certification	405132750	405132750	405132750	405132750	405132750

	Sample Point	101	112
	Description	Effluent Reuse	In-Plant Diversion
	Parameter	671	211
	Description	Flow Unregulated	Flow Rate
	Units	MGD	MGD
	Sample Type	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	DAILY
Sample Results	Day 1	3.314	
	2	3.186	
	3	2.454	
	4	2.937	
	5	3.106	
	6	3.110	
	7	3.110	
	8	3.111	
	9	3.013	
	10	3.144	
	11	2.789	
	12	3.398	
	13	3.058	
	14	2.938	
	15	2.338	
	16	15.20	
	17	2.690	
	18	3.111	
	19	3.045	
	20	2.967	
	21	2.541	
	22	3.143	
	23	3.257	
	24	2.690	
	25	2.059	
	26	2.154	
	27	2.927	
	28	3.110	
	29	3.110	
	30	3.111	
	31	3.094	

	Sample Point	101	112
	Description	Effluent Reuse	In-Plant Diversion
	Parameter	671	211
	Description	Flow Unregulated	Flow Rate
	Units	MGD	MGD
Summary Values	Monthly Avg	3.329516129	
	Daily Max	15.2	
	Daily Min	2.059	
	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

3-1 (BOD Blank of 0.26)
3-2 (BOD Blank of 0.42)
3-7 (GGA of 166.6)

Submitted by mantywwtfsupt2004 on 04/09/2024 8:39:07 AM