

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 Helming, District Director
 Phone Number: 920-766-5731
 Reporting Period: 03/01/2021 - 03/31/2021
 Form Due Date: 04/21/2021
 Permit Number: 0031232

Date Received:
 DOC: 461512
 FIN: 6375
 FID: 445005220
 Region: Northeast Region
 Permit Drafter: Lisa L Lumley
 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	2.979	6.041	290	152
	2	2.797	5.718	299	140
	3	3.035	5.973	233	208
	4	3.610	6.225	234	168
	5	3.062	6.168	230	144
	6	3.352	6.090	194	196
	7	3.766	6.648	289	140
	8	4.117	7.072	256	184
	9	4.617	7.678	217	164
	10	6.876	9.940	192	160
	11	6.049	9.165	197	100
	12	5.021	8.044	166	116
	13	4.262	7.230	176	116
	14	4.549	7.382	154	144
	15	3.456	6.556	211	152
	16	4.186	7.124	185	164
	17	4.474	7.574	230	200
	18	4.493	7.115	272	140
	19	4.760	7.126	233	164
	20	4.330	6.582	242	200
	21	3.611	6.856	236	160
	22	3.103	6.317	191	180
	23	5.162	8.231	220	176
	24	6.347	9.206	174	108
	25	5.231	8.604	187	128
	26	5.090	7.720	182	104
	27	5.519	8.071	157	144
	28	5.708	8.733	191	128
	29	4.777	8.011	171	152
	30	4.574	7.435	181	128
	31	4.028	7.033	191	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	4.417451613	7.344129032	212.290322581	150.322580645	0
	Daily Max	6.876	9.94	299	208	<1.3
	Daily Min	2.797	5.718	154	100	<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	001	701	701	701	701
	Description	Effluent	Influent	Influent	Influent	Influent
	Parameter	66	133	147	264	315
	Description	BOD5, Total	Chromium, Total Recoverable	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, 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	8				
	2	8	<2.5	27.6	<5.9	3.8
	3	7				
	4	7				
	5	7				
	6	6				
	7	7				
	8	7				
	9	7				
	10	9				
	11	5				
	12	7				
	13	5				
	14	6				
	15	7				
	16	6				
	17	7				
	18	8				
	19	13				
	20	7				
	21	6				
	22	7				
	23	7				
	24	8				
	25	6				
	26	6				
	27	5				
	28	7				
	29	7				
	30	10				
	31	6				

	Sample Point	001		701		701		701		701	
	Description	Effluent		Influent		Influent		Influent		Influent	
	Parameter	66		133		147		264		315	
	Description	BOD5, Total		Chromium, Total Recoverable		Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable	
	Units	mg/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	7.064516129		0		27.6		0		3.8	
	Daily Max	13		<2.5		27.6		<5.9		3.8	
	Daily Min	5		<2.5		27.6		<5.9		3.8	
	Week 1 Avg	7.142857143									
	Week 2 Avg	6.571428571									
	Week 3 Avg	7.714285714									
	Week 4 Avg	6.571428571									
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	445005220		405132750		405132750		405132750		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	7.6	189	0
	2	168	7.2	6.8	159	0
	3		8.2	6.4	162	0
	4		7.3	6.8	205	0
	5		7.6	9.2	235	0
	6		7.4	10.4	291	0
	7		7.3	8.0	251	0
	8		7.5	6.4	220	0
	9		7.5	8.0	308	0
	10		7.4	6.0	344	0
	11		7.3	5.6	283	0
	12		7.3	3.6	151	0
	13		7.8	7.2	256	0
	14		7.9	6.8	258	0
	15		7.6	7.2	208	0
	16		7.1	6.8	237	0
	17		7.3	7.6	284	0
	18		7.6	8.0	300	0
	19		7.4	12.4	492	0
	20		7.5	5.2	188	0
	21		7.6	5.6	169	0
	22		7.2	6.0	155	0
	23		7.2	6.4	276	0
	24		7.2	6.0	318	0
	25		7.5	6.0	262	0
	26		7.3	7.6	323	0
	27		7.2	6.4	295	0
	28		7.2	6.4	305	0
	29		7.2	7.2	287	0
	30		7.2	11.6	443	0
	31		7.2	5.6	188	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	168	7.396774194	7.122580645	259.419354839	0
	Daily Max	168	8.2	12.4	492	0
	Daily Min	168	7.1	3.6	151	0
	Week 1 Avg			7.885714286		
	Week 2 Avg			6.228571429		
	Week 3 Avg			7.542857143		
	Week 4 Avg			6.4		
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	189	0.22	5.47	0.2	
	2	159	0.18	4.20	0.2	<1.3
	3	162	0.21	5.32	0.2	
	4	205	0.19	5.72	0.2	
	5	235	0.31	7.92		
	6	291	0.18	5.03		
	7	251	0.23	7.22	0.2	
	8	220	0.16	5.49	0.4	
	9	308	0.19	7.32	0.4	
	10	344	0.20	11.47	0.4	
	11	283	0.22	11.10	0.2	
	12	151	0.17	7.12		
	13	256	0.13	4.62		
	14	258	0.19	7.21	0.2	
	15	208	0.19	5.48	0.2	
	16	237	0.24	8.38	0.3	
	17	284	0.21	7.84	0.3	
	18	300	0.19	7.12	0.3	
	19	492	0.59	23.42		
	20	188	0.17	6.14		
	21	169	0.19	5.72	0.3	
	22	155	0.17	4.40	0.4	
	23	276	0.16	6.89	0.6	
	24	318	0.18	9.53	0.4	
	25	262	0.18	7.85	0.2	
	26	323	0.13	5.52		
	27	295	0.15	6.90		
	28	305	0.19	9.04	0.2	
	29	287	0.20	7.97	0.2	
	30	443	0.20	7.63	0.4	
	31	188	0.13	4.37	0.1	

	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	259.419354839		0.201612903		7.400322581		0.282608696		0	
	Daily Max	492		0.59		23.42		0.6		<1.3	
	Daily Min	151		0.13		4.2		0.1		<1.3	
	Week 1 Avg	213.142857143						0.2			
	Week 2 Avg	260						0.32			
	Week 3 Avg	268.285714286						0.28			
	Week 4 Avg	276.285714286						0.36			
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				0.034		1.3	
	LOQ			0.087				0.113		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	<2.5	4.9	<5.9	5.8	25.4
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	15					
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	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	4.9	0	5.8	25.4
	Daily Max	<2.5	4.9	<5.9	5.8	25.4
	Daily Min	<2.5	4.9	<5.9	5.8	25.4
	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	2.5	3.4	5.9	2.6	11.6
	LOQ	10	10	20	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	3.062	0
	2	2.921	0
	3	2.938	0
	4	2.615	0
	5	3.106	0
	6	2.738	0
	7	2.882	0
	8	2.955	0
	9	3.061	0
	10	3.064	0
	11	3.116	0
	12	3.023	0
	13	2.968	0
	14	2.833	0
	15	3.100	0
	16	2.938	0
	17	3.100	0
	18	2.622	0
	19	2.366	0
	20	2.252	0
	21	3.245	0
	22	3.214	0
	23	3.069	0
	24	2.859	0
	25	3.373	0
	26	2.630	0
	27	2.552	0
	28	3.025	0
	29	3.234	0
	30	2.861	0
	31	3.005	0

	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	2.926677419	0
	Daily Max	3.373	0
	Daily Min	2.252	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	N
	Lab Certification		

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

I certify that management practices identified in the approved water quality trading plan as the source of pollutant reduction credits are installed, established and properly maintained.

Laboratory Quality Control Comments

3-10-21 GGA of 155 ppm.

Submitted by K3vin1 on 4/14/2021 10:10:17 AM